

DISTRIBUCION DE LAS PRECIPITACIONES

TABLAS DE LA FUNCION GAMMA INCOMPLETA SIMPLIFICADAS
Y ADAPTADAS A CLIMATOLOGIA

[VVM]

Sig M77.2(041) = 60

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DISTRIBUCION DE LAS PRECIPITACIONES

Tablas de la función Gamma incompleta simplificadas y adaptadas a Climatología



NOTAS DE CLIMATOLOGÍA

nº 1

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DISTRIBUCIÓN DE LAS PRECIPITACIONES

Tablas de la función Gamma incompleta adaptadas a Climatología

Por José María Casals Marcén

Las precipitaciones anuales presentan una distribución que, en muchos casos, se aproxima bastante a la ley normal. No ocurre lo mismo con las precipitaciones mensuales o de periodos más cortos, las cuales, como se sabe presentan una mayor dispersión y, en ocasiones, algunos términos de las series tienen el valor cero, circunstancia esta última muy acusada y generalizada en los meses de verano en buena parte de la Península Ibérica, sobre todo en la mitad meridional.

Es corriente recurrir en estos casos a las estimaciones que proporciona la frecuencia acumulada empírica, pero dichas estimaciones son muy imprecisas y es preferible, en cualquier caso, recurrir a una distribución analítica que se ajuste a las series que tratamos de estudiar, en nuestro caso las precipitaciones.

Según M. C. S. Thom (1), se ha encontrado que la función gamma incompleta se ajusta bien a las series climatológicas de precipitación. Nosotros, por nuestra parte, hemos hecho ensayos con series de precipitaciones de diversos observatorios españoles y hemos comprobado la bondad de dicho ajuste.

Siguiendo al citado autor, exponemos a continuación la función $g(x)$ de densidad de distribución

$$g(x) = \frac{1}{\beta^\gamma \Gamma(\gamma)} x^{\gamma-1} e^{-\frac{x}{\beta}} \quad \text{siendo } \gamma > 0 \text{ y } \beta > 0$$

El límite inferior de esta función es cero. β es un parámetro de escala (depende de la escala de medida de x) y γ es un parámetro de forma, que resulta de la forma de la curva. $\Gamma(\gamma)$ es la conocida función gamma, corrientemente representada por $\Gamma(p+1)$ siendo

$$\Gamma(p+1) = \int_0^\infty x^p e^{-x} dx$$

en que integrando se obtiene $\Gamma(p+1) = p \Gamma(p) = p(p-1) \Gamma(p-1)$ (Si p es un número entero positivo $\Gamma(p+1) = p!$)

Los parámetros β y γ de la distribución de la población son desconocidos. No obstante, según Thom, se obtienen buenas estimaciones de dichos parámetros mediante las ecuaciones

$$\gamma = \frac{1}{4A} (1 + \sqrt{1 + 4A/3})$$

$$\text{siendo } A = \ln \bar{x} - \frac{\sum \ln x}{n}$$

(1) M.C.S. Thom - Algunos métodos del análisis climatológico - Nota técnica nº. 81 - Organización meteorológica Mundial.

donde \bar{x} es la media de los valores de la serie y n el número de términos de la misma

$$\beta = \frac{x}{\gamma}$$

Haciendo el cálculo correspondiente, (máximo de la función $g(x)$) se obtiene que la moda es

$$M = \beta(\gamma - 1)$$

Para $\gamma > 1$ $M > 0$. Si $0 < \gamma < 1$, la expresión anterior no tiene sentido. Para $\gamma = 0$ tendríamos una curva exponencial cuyas asíntotas serían los dos ejes. Si $\gamma = 1$ la curva exponencial encuentra al eje de las y en el punto $g(0) = \frac{1}{\beta}$. Si γ está comprendida entre 1 y 0 la curva encuentra al eje de las y entre $\frac{1}{\beta}$ e ∞ . Dado que $\bar{x} = \beta\gamma$ se tiene que $\bar{x} > M$. La diferencia $\bar{x} - M = \beta\gamma - \beta(\gamma - 1) = \beta$. Como β es inversamente proporcional a γ , para valores grandes de γ , la moda y la media se aproximan y la distribución tiende a hacerse normal.

El momento de 2º orden, o varianza, de la distribución gamma es $\mu_2 = \beta^2 \gamma$ y la desviación típica $\sigma = \beta\sqrt{\gamma}$. Los momentos de 3º y 4º orden son, respectivamente, $\mu_3 = 2\beta^3\gamma$ y $\mu_4 = 3\beta^4\gamma(\gamma + 2)$.

Para calcular la frecuencia de ocurrencia de un determinado valor x , hemos de hallar la integral entre 0 y x de la función de distribución

$$F(x) = \int_0^x g(x) dx \quad \text{o bien} \quad F(x) = \frac{\int_0^{\frac{x}{\beta}} x^{\gamma-1} e^{-\frac{x}{\beta}} dx}{\beta^{\gamma} \Gamma(\gamma)}$$

$$\text{haciendo } \frac{x}{\beta} = v \quad dx = \beta dv \quad x^{\gamma-1} = \beta^{\gamma-1} v^{\gamma-1}$$

$$F(x) = \frac{\int_0^v \beta^{\gamma-1} v^{\gamma-1} e^{-v} \beta dv}{\beta^{\gamma} \Gamma(\gamma)} = \frac{\int_0^v v^{\gamma-1} e^{-v} dv}{\Gamma(\gamma)}$$

Si $v = \infty$, es decir, tratamos de calcular la frecuencia de ocurrencia del mayor valor de la población, dicha frecuencia será indudablemente 1 (el 100% de los casos). Es decir:

$$F(\infty) = \frac{\int_0^{\infty} v^{\gamma-1} e^{-v} dv}{\Gamma(\gamma)} = \frac{\Gamma(\gamma)}{\Gamma(\gamma)} = 1$$

lo que justifica la forma que se ha dado a la función de densidad de distribución.

Si tomamos un valor u tal que $u = \frac{x}{\sigma} = \frac{v}{\sqrt{\gamma}}$ se tiene $v = u\sqrt{\gamma}$, $F(x)$ lo podemos poner así:

$$F(x) = I(u\sqrt{\gamma}) = \frac{\int_0^{u\sqrt{\gamma}} v^{\gamma-1} e^{-v} dv}{\Gamma(\gamma)}$$

o bien, teniendo en cuenta que $\gamma = p + 1$

$$I(u, p) = \frac{\int_0^{u\sqrt{p+1}} v^p e^{-v} dv}{\Gamma(p+1)}$$

Esta integral ha sido tabulada por Pearson (2) entrando en las tablas con

(2) Pearson, Karl, F.R.S. Tables of incomplete Γ function - Cambridge University Press - 1951

los valores u y p , desde $p = -0,95$ a $p = 50$ y desde $u = 0$ a $u = 13,8$. Estas tablas, muy completas, presentan varios inconvenientes para nuestro uso. El principal estriba en que están agotadas y son de difícil adquisición. Son demasiado extensas para nuestras necesidades. La probabilidad viene expresada con siete cifras decimales y en Climatología con dos bastan. El intervalo entre dos valores consecutivos de u es de una décima y el de p de una o dos décimas, lo cual es insuficiente para nuestros fines y obliga a hacer con frecuencia interpolaciones, ya que u y p conviene expresarlos con dos cifras decimales.

Por ello, y con objeto de tener un instrumento de trabajo sencillo y asequible hemos tratado de simplificar las tablas de Pearson adaptándolas a los cálculos climatológicos.

En primer lugar las hemos limitado a valores de u comprendidos entre 0 y 5 y de p entre $-0,95$ y 3, pero reduciendo los intervalos de ambos. Para ello se han interpolado los valores de probabilidad de frecuencia aplicando criterios simples huyendo del complicado rigor matemático, por considerar que el error que podía cometerse no afectaba a las dos primeras cifras decimales, únicas que nos interesan dentro de un margen de confianza.

Así pues, hemos obtenido unas tablas contenidas en 22 páginas, que estimamos de fácil y cómodo manejo y mediante las cuales pueden resolverse los problemas de distribución de la precipitación de los observatorios españoles.

El procedimiento de cálculo se reduce a los siguientes pasos:

- a) Determinación de la media \bar{x} de la serie.
- b) Determinación de los logaritmos neperianos de los valores de la serie y suma de los mismos $\sum \ln x$.
- c) Determinación de la media de los mismos $\frac{\sum \ln x}{u}$

Todas estas operaciones se hacen simultáneamente con una buena máquina de calcular, que introduciendo los valores de x , calcula los logaritmos y los valores medios antes expresados.

- d) Cálculo de A

$$A = \ln \bar{x} - \frac{\sum \ln x}{u}$$

- e) Cálculo de γ y p

$$\gamma = \frac{1}{4A} (1 + \sqrt{1 + 4A/3}) \quad p = \gamma - 1$$

- f) Cálculo de β

$$\beta = \frac{\bar{x}}{\gamma}$$

- g) Cálculo de σ y de u

$$\sigma = \beta \sqrt{\gamma} \quad u = \frac{x}{\sigma}$$

- h) Entrada en las tablas con u y p y determinación inmediata de $F(x)$.

En el caso de que la serie a estudiar contenga uno o varios valores nulos, muy frecuente en España en los meses de verano, se puede emplear una función de distribución mixta que comprende a los ceros, por una parte, y a los valores distintos de cero por otra.

Si m es el número de los valores cero de la serie de n términos, se admite que la probabilidad de que la precipitación sea cero es $q = \frac{m}{n}$; y que sea superior a cero, $p = 1 - q$.

En este caso, la distribución de la serie viene dada por:

$$H(x) = q + pG(x)$$

siendo $G(x)$ la función de frecuencia, relativa a los $n - m$ términos de la serie distintos de cero.

Como ejemplo de aplicación, calculamos a continuación la distribución de las precipitaciones en Madrid correspondientes al mes de mayo (sin ceros) y al mes de julio (con ceros).

a) Serie de las precipitaciones en Madrid en el mes de mayo (periodo 1931-80)

Año	Precip.	$\ln x$	Año	Precip.	$\ln x$	Año	Precip.	$\ln x$
1931	21,2	3,0540	1948	55,2	4,0110	1965	6,4	1,8563
1932	16,1	2,7788	1949	52,6	3,9627	1966	26,7	3,2847
1933	35,1	3,5582	1950	27,8	3,3250	1967	30,6	3,4210
1934	14,9	2,7014	1951	27,8	3,3250	1968	15,0	2,7081
1935	105,3	4,6568	1952	60,9	4,1092	1969	39,3	3,6712
1936	118,8	4,7774	1953	9,1	2,2083	1970	18,8	2,9339
1937	14,8	2,6946	1954	72,5	4,2836	1971	132,5	4,8866
1938	40,4	3,6988	1955	28,9	3,3638	1972	18,3	2,9069
1939	12,8	2,5494	1956	66,2	4,1927	1973	71,8	4,2739
1940	21,1	3,0493	1957	31,2	3,4404	1974	18,8	2,9339
1941	60,7	4,1059	1958	38,7	3,6558	1975	49,6	3,9040
1942	23,5	3,1570	1959	103,3	4,6376	1976	35,7	3,5752
1943	17,8	2,8792	1960	70,9	4,2613	1977	30,7	3,4243
1944	35,9	3,5807	1961	33,2	3,5025	1978	78,0	4,3567
1945	19,1	2,9492	1962	47,3	3,8565	1979	16,0	2,7726
1946	71,2	4,2655	1963	1,5	0,4055	1980	82,5	4,4128
1947	59,3	4,0826	1964	19,6	2,9755			

(Disponiendo de una máquina de calcular adecuada para estadística se introduce el valor x y el $\ln x$, calculado por la misma máquina sucesivamente, sin necesidad de escribir el cuadro anterior.) La máquina da directamente:

$$\bar{x} = \frac{\sum x}{50} = 42,1 \quad \frac{\sum \ln x}{50} = 3,4676 \quad \ln \bar{x} = 3,7402$$

$$A = \ln x - \frac{\sum \ln x}{50} = 0,2726$$

$$r = \frac{1 + \sqrt{1 + 4 \frac{0,2726}{3}}}{4 \times 0,2726} = 1,99$$

$$\hat{\beta} = \frac{42,1}{1,99} = 21,18$$

$$\sigma = \hat{\beta} \sqrt{r} = 21,18 \cdot \sqrt{1,99} = 29,88$$

$$p = 1,99 - 1 = 0,99 \approx 1,0$$

Por ejemplo, para determinar la probabilidad de que las precipitaciones sean inferiores a 25 mm calcularemos

$$u = \frac{x}{\bar{x}} = \frac{25}{29,9} = 0,84$$

Las tablas simplificadas muestran que para $u = 0,84$ y $P = 1$ la probabilidad es 0,33, es decir, en el 33% de los años la precipitación en Madrid en el mes de mayo es menor de 25 mm.

Dada la probabilidad de frecuencia, obtengamos ahora el valor correspondiente.

Por ejemplo, trataremos de obtener quintiles, los Q_1, Q_2, Q_3, Q_4 , que corresponden a las frecuencias 0,20, 0,40, 0,60 y 0,80 respectivamente.

En las tablas, para el valor $p = 1$ encontramos:

para 0,20 $u_1 = 0,58$ — $Q_1 = 0,58 \times 29,9 = 17$ mm

para 0,40 $u_2 = 0,98$ — $Q_2 = 0,98 \times 29,9 = 29$ "

para 0,60 $u_3 = 1,42$ — $Q_3 = 1,42 \times 29,9 = 42$ "

para 0,80 $u_4 = 2,10$ — $Q_4 = 2,10 \times 29,9 = 63$ "

b) Serie de las precipitaciones en Madrid en el mes de julio (periodo 1931-80).

Año	Precip.	ln x	Año	Precip.	ln x	Año	Precip.	ln x
1931	2,0	0,6931	1948	2,3	0,8329	1965	0,0	—
1932	15,5	2,7408	1949	41,3	3,7209	1966	3,9	1,3610
1933	1,0	0,0000	1950	16,2	2,7850	1967	0,0	—
1934	5,2	1,6487	1951	3,4	1,2238	1968	0,4	- 0,9163
1935	0,0	—	1952	20,3	3,0106	1969	8,1	2,0919
1936	1,3	0,2624	1953	13,4	2,5953	1970	11,5	2,4423
1937	0,0	0,0000	1954	1,1	0,0953	1971	7,4	2,0015
1938	5,4	1,6864	1955	10,2	2,3224	1972	13,9	2,6319
1939	3,8	1,3350	1956	12,3	2,5096	1973	9,1	2,2083
1940	36,3	3,5918	1957	0,0	—	1974	16,5	2,8034
1941	9,2	2,2192	1958	1,0	0,0000	1975	0,0	—
1942	0,4	- 0,9163	1959	30,0	3,4340	1976	34,1	3,5293
1943	35,6	3,5723	1960	5,8	1,7579	1977	19,1	2,9497
1944	4,3	1,4586	1961	15,8	2,7600	1978	0,0	—
1945	0,4	- 0,9163	1962	0,0	—	1979	41,5	3,7257
1946	0,0	—	1963	20,2	3,0057	1980	0,0	—
1947	54,8	4,0037	1964	11,1	2,4069			

Vemos que hay 10 años con precipitación 0, luego $q = \frac{10}{50} = 0,2$. Por tanto

$$H(x) = 0,2 + 0,80 G(x)$$

$$\bar{x} = \frac{\sum x}{40} = 14,0 \quad \frac{\sum \ln x}{40} = 1,9667 \quad \ln \bar{x} = 2,6401$$

$$A = \ln \bar{x} - \frac{\sum \ln x}{40} = 0,6734$$

$$V = \frac{1 + \sqrt{1 + 4 \frac{0,6734}{3}}}{4 \times 0,6734} = 0,8827 \quad p = 0,88 - 1 = -0,12$$

$$\hat{\sigma} = \frac{\bar{x}}{0,88} = 15,9$$

$$\sigma = 15,9 \sqrt{0,88} = 14,9$$

Para determinar la probabilidad de que las precipitaciones sean inferiores a 10, prescindiendo de los años en que son cero, tendremos

$$u = \frac{10}{14,9} = 0,67$$

Las tablas muestran que para $u = 0,67$ y $p = -0,12$, la probabilidad es 0,53, luego teniendo en cuenta los años de precipitación cero, se tendrá

$$G(x) = 0,2 + (0,8 \times 0,53) = 0,62$$

En el 62 por ciento de los años, la precipitación en Madrid, en el mes de julio, es inferior a 10 mm.

Para hallar los quintiles pondremos así:

$$G(x) = \frac{H(x) - 0,2}{0,8}$$

Q_1 corresponde a 0,20

$$Q_2 \quad " \quad a \quad \frac{0,4 - 0,2}{0,8} = 0,25$$

$$Q_3 \quad " \quad a \quad \frac{0,6 - 0,2}{0,8} = 0,5$$

$$Q_4 \quad " \quad a \quad \frac{0,8 - 0,2}{0,8} = 0,75$$

En las tablas vemos que para el valor $p = -0,12$ tenemos:

$$u_2 = 0,24$$

$$u_3 = 0,62$$

$$u_4 = 1,30$$

Luego:

$Q_1 = 0$ El 20% de los años la precipitación es 0.

$Q_2 = 4$ El 40% de los años la precipitación es inferior a 4 mm.

$Q_3 = 9$ El 60% de los años la precipitación es inferior a 9 mm.

$Q_4 = 19$ El 80% de los años la precipitación es inferior a 19 mm.

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TABLAS DE LA FUNCION GAMMA INCOMPLETA SIMPLIFICADAS PARA CLIMATOLOGIA

(Deducidas de las tablas de Pearson)

I N D I C E

<u>p positivo</u>		<u>Pag.</u>
	De u = 0,0 a u = 0,50	1
De p = 0	De u = 0,51 a u = 1,00	2
	De u = 1,02 a u = 2,00	3
	De u = 0,0 a u = 0,50	4
De p = 0,42 a p = 0,80	De u = 0,51 a u = 1,00	5
	De u = 1,02 a u = 2,00	6
	De u = 0,0 a u = 1,00	7
De p = 0,85 a p = 1,60	De u = 1,02 a u = 2,00	8
	De u = 0,0 a u = 1,00	9
De p = 1,65 a p = 3,00	De u = 1,02 a u = 2,00	10
	De u = 2,05 a u = 5,00	11
De p = 0,0 a p = 1,00	De u = 2,05 a u = 5,00	12
De p = 1,1 a p = 3,00		
<u>p negativo</u>		
	De u = 0,0 a u = 0,50	13
De p = 0,0 a p = -0,40	De u = 0,51 a u = 1,00	14
	De u = 1,01 a u = 1,50	15
	De u = 1,51 a u = 2,00	16
	De u = 0,0 a u = 0,50	17
De p = -0,42 a p = -0,80	De u = 0,51 a u = 1,00	18
	De u = 1,01 a u = 1,50	19
	De u = 1,51 a u = 2,00	20
De p = -0,85 a p = -0,95	De u = 0,0 a u = 2,00	21
De p = 0,0 a p = -0,95	De u = 2,05 a u = 5,00	22

u \ p	.00	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
0.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00
.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01
.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01
.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02
.06	.06	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02
.07	.07	.06	.06	.06	.06	.05	.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03
.08	.08	.07	.07	.07	.06	.06	.06	.06	.05	.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03
.09	.09	.08	.08	.07	.07	.07	.06	.06	.06	.06	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.03
0.10	.09	.09	.09	.08	.08	.08	.07	.07	.07	.06	.06	.06	.06	.05	.05	.05	.05	.04	.04	.04	.04
.11	.10	.10	.10	.09	.09	.08	.08	.08	.07	.07	.07	.07	.06	.06	.06	.05	.05	.05	.05	.05	.04
.12	.11	.11	.10	.10	.10	.09	.09	.08	.08	.08	.07	.07	.07	.07	.06	.06	.06	.06	.05	.05	.05
.13	.12	.12	.11	.11	.10	.10	.10	.09	.09	.08	.08	.08	.07	.07	.07	.07	.06	.06	.06	.06	.05
.14	.13	.12	.12	.12	.11	.11	.10	.10	.10	.09	.09	.09	.08	.08	.08	.07	.07	.07	.06	.06	.06
.15	.14	.13	.13	.12	.12	.11	.11	.11	.10	.10	.09	.09	.09	.09	.08	.08	.08	.07	.07	.07	.07
.16	.15	.14	.14	.13	.13	.12	.12	.11	.11	.11	.10	.10	.10	.10	.09	.08	.08	.08	.07	.07	.07
.17	.15	.15	.14	.14	.13	.13	.13	.12	.12	.11	.11	.11	.10	.10	.10	.09	.09	.09	.08	.08	.08
.18	.16	.16	.15	.15	.14	.14	.13	.13	.12	.12	.12	.11	.11	.11	.10	.10	.09	.09	.09	.09	.08
.19	.17	.17	.16	.16	.15	.15	.14	.14	.13	.13	.12	.12	.12	.11	.11	.10	.10	.10	.09	.09	.09
0.20	.18	.18	.17	.16	.16	.15	.15	.15	.14	.13	.13	.13	.12	.12	.12	.11	.11	.10	.10	.10	.09
.21	.19	.18	.18	.17	.17	.16	.16	.15	.15	.14	.14	.14	.13	.13	.12	.12	.11	.11	.11	.10	.10
.22	.20	.19	.19	.18	.17	.17	.16	.16	.15	.15	.14	.14	.14	.13	.13	.12	.12	.12	.11	.11	.10
.23	.20	.20	.19	.19	.18	.18	.17	.17	.16	.16	.15	.15	.14	.14	.13	.13	.13	.12	.12	.11	.11
.24	.21	.21	.20	.19	.19	.18	.18	.17	.17	.16	.16	.15	.15	.15	.14	.14	.13	.13	.12	.12	.12
.25	.22	.21	.21	.20	.20	.19	.19	.18	.18	.17	.16	.16	.16	.15	.15	.14	.14	.14	.13	.13	.12
.26	.23	.22	.22	.21	.20	.20	.19	.19	.18	.18	.17	.17	.16	.16	.15	.15	.15	.14	.14	.13	.13
.27	.24	.23	.22	.22	.21	.21	.20	.19	.19	.18	.18	.17	.17	.16	.16	.16	.15	.15	.14	.14	.14
.28	.24	.24	.23	.22	.22	.21	.21	.20	.20	.19	.19	.18	.18	.17	.17	.16	.16	.15	.15	.15	.14
.29	.25	.24	.24	.23	.23	.22	.21	.21	.20	.20	.19	.19	.18	.18	.17	.17	.17	.16	.16	.15	.15
0.30	.26	.25	.25	.24	.23	.23	.22	.22	.21	.21	.20	.20	.19	.19	.18	.18	.17	.17	.16	.16	.15
.31	.27	.26	.25	.25	.24	.23	.23	.22	.22	.21	.21	.20	.20	.19	.19	.18	.18	.17	.17	.16	.16
.32	.27	.27	.26	.25	.25	.24	.24	.23	.22	.22	.21	.21	.20	.20	.19	.19	.18	.18	.18	.17	.17
.33	.28	.27	.27	.26	.25	.25	.24	.24	.23	.23	.22	.22	.21	.21	.20	.19	.19	.19	.18	.18	.17
.34	.29	.28	.27	.27	.26	.26	.25	.24	.24	.23	.23	.22	.22	.21	.21	.20	.20	.19	.19	.18	.18
.35	.29	.29	.28	.27	.27	.26	.26	.25	.24	.24	.23	.23	.22	.22	.21	.21	.20	.20	.19	.19	.18
.36	.30	.29	.29	.28	.28	.27	.26	.26	.25	.25	.24	.24	.23	.22	.22	.21	.21	.20	.20	.20	.19
.37	.31	.30	.30	.29	.28	.28	.27	.26	.26	.25	.25	.24	.24	.23	.23	.22	.22	.21	.21	.20	.20
.38	.31	.31	.30	.30	.29	.28	.28	.27	.27	.26	.25	.25	.24	.24	.23	.23	.22	.22	.21	.21	.20
.39	.32	.32	.31	.30	.30	.29	.28	.28	.27	.27	.26	.25	.25	.24	.24	.23	.23	.22	.22	.21	.21
0.40	.33	.32	.32	.31	.30	.30	.29	.28	.28	.27	.27	.26	.26	.25	.25	.24	.24	.23	.23	.22	.22
.41	.34	.33	.32	.32	.31	.30	.30	.29	.29	.28	.27	.27	.26	.26	.25	.25	.24	.24	.23	.23	.22
.42	.34	.34	.33	.32	.32	.31	.30	.30	.29	.29	.28	.28	.27	.26	.26	.25	.25	.24	.24	.23	.23
.43	.35	.34	.34	.33	.32	.32	.31	.30	.30	.29	.29	.28	.28	.27	.26	.26	.25	.25	.24	.24	.23
.44	.35	.35	.34	.34	.33	.32	.32	.31	.30	.30	.29	.29	.28	.28	.27	.26	.26	.25	.25	.24	.24
.45	.36	.35	.35	.34	.34	.33	.32	.32	.31	.30	.30	.29	.29	.28	.28	.27	.27	.26	.26	.25	.25
.46	.37	.36	.35	.35	.34	.33	.33	.32	.32	.31	.30	.30	.29	.29	.28	.28	.27	.27	.26	.26	.25
.47	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32	.31	.31	.30	.29	.29	.28	.28	.27	.27	.26	.26
.48	.38	.37	.37	.36	.35	.35	.34	.34	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28	.27	.27	.26
.49	.39	.38	.37	.37	.36	.35	.35	.34	.34	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28	.28	.27
0.50	.39	.39	.38	.37	.37	.36	.35	.35	.34	.34	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28	.28

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,00 a 0,50

p = 0,00 a 0,40

u \ p	.00	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
0.51	.40	.39	.39	.38	.37	.37	.36	.35	.35	.34	.34	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28
.52	.40	.40	.39	.39	.38	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32	.31	.31	.30	.30	.29	.29
.53	.41	.40	.40	.39	.38	.38	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32	.31	.31	.30	.30	.29
.54	.42	.41	.40	.40	.39	.38	.38	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32	.32	.31	.31	.30
.55	.42	.42	.41	.40	.40	.39	.38	.38	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32	.32	.31	.31
.56	.43	.42	.42	.41	.40	.40	.39	.38	.38	.37	.37	.36	.36	.35	.34	.34	.33	.33	.32	.32	.31
.57	.43	.43	.42	.41	.41	.40	.40	.39	.38	.38	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32	.32
.58	.44	.43	.43	.42	.41	.41	.40	.40	.39	.38	.38	.37	.37	.36	.35	.35	.34	.34	.33	.33	.32
.59	.44	.44	.43	.43	.42	.41	.41	.40	.40	.39	.38	.38	.37	.37	.36	.36	.35	.34	.34	.33	.33
0.60	.45	.44	.44	.43	.43	.42	.41	.41	.40	.40	.39	.38	.38	.37	.37	.36	.36	.35	.35	.34	.33
.61	.46	.45	.44	.44	.43	.42	.42	.41	.41	.40	.39	.39	.38	.38	.37	.37	.36	.36	.35	.35	.34
.62	.46	.45	.45	.44	.44	.43	.42	.41	.41	.41	.40	.39	.39	.38	.38	.37	.37	.36	.36	.35	.35
.63	.47	.46	.45	.45	.44	.44	.43	.42	.42	.41	.41	.40	.39	.39	.38	.38	.37	.37	.36	.36	.35
.64	.47	.47	.46	.45	.45	.44	.43	.43	.42	.42	.41	.41	.40	.39	.39	.38	.38	.37	.37	.36	.36
.65	.48	.47	.46	.46	.45	.45	.44	.43	.43	.42	.42	.41	.41	.40	.39	.39	.38	.38	.37	.37	.36
.66	.48	.48	.47	.46	.46	.45	.45	.44	.43	.43	.42	.42	.41	.41	.40	.39	.39	.38	.38	.37	.37
.67	.49	.48	.47	.47	.46	.46	.45	.44	.44	.43	.43	.42	.42	.41	.41	.40	.39	.39	.38	.38	.37
.68	.49	.49	.48	.47	.47	.46	.46	.45	.44	.44	.43	.43	.42	.42	.41	.41	.40	.40	.39	.38	.38
.69	.50	.49	.49	.48	.47	.47	.46	.46	.45	.44	.44	.43	.43	.42	.42	.41	.41	.40	.40	.39	.39
0.70	.50	.50	.49	.48	.48	.47	.47	.46	.46	.45	.44	.44	.43	.43	.42	.42	.41	.41	.40	.40	.39
.71	.51	.50	.50	.49	.48	.48	.47	.47	.46	.45	.45	.44	.44	.43	.43	.42	.42	.41	.41	.40	.40
.72	.51	.51	.50	.49	.49	.48	.48	.47	.47	.46	.45	.45	.44	.44	.43	.43	.42	.42	.41	.41	.40
.73	.52	.51	.51	.50	.49	.49	.48	.48	.47	.46	.46	.45	.45	.44	.44	.43	.43	.42	.42	.41	.41
.74	.52	.52	.51	.50	.50	.49	.49	.48	.48	.47	.46	.46	.45	.45	.44	.44	.43	.43	.42	.42	.41
.75	.53	.52	.51	.51	.50	.50	.49	.49	.48	.47	.47	.46	.46	.45	.45	.44	.44	.43	.43	.42	.42
.76	.53	.53	.52	.51	.51	.50	.50	.49	.49	.48	.47	.47	.46	.46	.45	.45	.44	.44	.43	.43	.42
.77	.54	.53	.52	.52	.51	.51	.50	.50	.49	.48	.48	.47	.47	.46	.46	.45	.45	.44	.44	.43	.43
.78	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.48	.48	.47	.47	.46	.46	.45	.45	.44	.44	.43
.79	.55	.54	.53	.53	.52	.52	.51	.51	.50	.49	.49	.48	.48	.47	.47	.46	.46	.45	.45	.44	.44
0.80	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.49	.49	.48	.48	.47	.47	.46	.46	.45	.45	.44
.81	.55	.55	.54	.54	.53	.53	.52	.52	.51	.50	.50	.49	.49	.48	.48	.47	.47	.46	.46	.45	.45
.82	.56	.55	.55	.54	.54	.53	.53	.52	.51	.51	.50	.50	.49	.49	.48	.48	.47	.47	.46	.46	.45
.83	.56	.56	.55	.55	.54	.54	.53	.52	.52	.51	.51	.50	.50	.49	.49	.48	.48	.47	.47	.46	.46
.84	.57	.56	.56	.55	.55	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.49	.48	.48	.47	.47	.46
.85	.57	.57	.56	.56	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.49	.48	.48	.47	.47
.86	.58	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.49	.48	.48	.47
.87	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.49	.48	.48
.88	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.49	.48
.89	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49	.49
0.90	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51	.51	.50	.50	.49
.91	.60	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.53	.53	.52	.52	.52	.51	.51	.50	.50
.92	.60	.60	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.52	.51	.51	.50
.93	.60	.60	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.52	.51	.51
.94	.61	.60	.60	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51	.51
.95	.61	.61	.60	.60	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52	.51
.96	.62	.61	.61	.60	.60	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52	.52
.97	.62	.61	.61	.61	.60	.59	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53	.52
.98	.62	.62	.61	.61	.60	.60	.59	.59	.58	.58	.57	.57	.57	.56	.56	.55	.55	.54	.54	.53	.53
.99	.63	.62	.62	.61	.61	.60	.60	.59	.59	.58	.58	.57	.57	.57	.56	.56	.55	.55	.54	.54	.53
1.00	.63	.63	.62	.62	.61	.61	.60	.60	.59	.59	.58	.58	.57	.57	.56	.56	.56	.55	.55	.54	.54

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,51 a 1,00

p = 0,00 a 0,40

u \ p	.00	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
1.02	.64	.63	.63	.62	.62	.61	.61	.61	.60	.60	.59	.59	.58	.58	.57	.57	.56	.56	.55	.55	.55
.04	.65	.64	.64	.63	.63	.62	.62	.61	.61	.60	.60	.59	.59	.59	.58	.58	.57	.57	.56	.56	.55
.06	.65	.65	.64	.64	.63	.63	.62	.62	.62	.61	.61	.60	.60	.59	.59	.58	.58	.58	.57	.57	.56
.08	.66	.65	.65	.65	.64	.64	.63	.63	.62	.62	.61	.61	.61	.60	.60	.59	.59	.58	.58	.58	.57
.10	.67	.66	.66	.65	.65	.64	.64	.64	.63	.63	.62	.62	.61	.61	.60	.60	.60	.59	.59	.58	.58
.12	.67	.67	.66	.66	.66	.65	.65	.64	.64	.63	.63	.63	.62	.62	.61	.61	.60	.60	.60	.59	.59
.14	.68	.67	.67	.67	.66	.66	.65	.65	.64	.64	.64	.63	.63	.62	.62	.62	.61	.61	.60	.60	.59
.16	.69	.68	.68	.67	.67	.66	.66	.66	.65	.65	.64	.64	.64	.63	.62	.62	.62	.61	.61	.61	.60
.18	.69	.69	.68	.68	.68	.67	.67	.66	.66	.65	.65	.65	.64	.64	.63	.63	.63	.62	.62	.61	.61
1.20	.70	.69	.69	.69	.68	.68	.67	.67	.66	.66	.66	.65	.65	.65	.64	.64	.63	.63	.63	.62	.62
.22	.70	.70	.70	.69	.69	.68	.68	.68	.67	.67	.66	.66	.66	.65	.65	.64	.64	.64	.63	.63	.62
.24	.71	.71	.70	.70	.69	.69	.69	.68	.68	.67	.67	.67	.66	.66	.66	.65	.65	.64	.64	.64	.63
.26	.72	.71	.71	.70	.70	.70	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66	.65	.65	.65	.64	.64
.28	.72	.72	.71	.71	.70	.70	.70	.69	.69	.69	.68	.68	.68	.67	.67	.66	.66	.66	.65	.65	.65
.30	.73	.72	.72	.72	.71	.71	.70	.70	.70	.69	.69	.69	.68	.68	.68	.67	.67	.66	.66	.66	.65
.32	.73	.73	.73	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66
.34	.74	.73	.73	.73	.72	.72	.72	.71	.71	.70	.70	.70	.69	.69	.69	.68	.68	.68	.67	.67	.67
.36	.74	.74	.74	.73	.73	.72	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.69	.68	.68	.68	.67
.38	.75	.74	.74	.74	.73	.73	.73	.72	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.69	.68	.68
1.40	.75	.75	.75	.74	.74	.74	.73	.73	.73	.72	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.69
.42	.76	.75	.75	.75	.74	.74	.74	.73	.73	.73	.72	.72	.72	.72	.71	.71	.71	.70	.70	.69	.69
.44	.76	.76	.76	.75	.75	.75	.74	.74	.74	.73	.73	.73	.72	.72	.72	.71	.71	.71	.70	.70	.70
.46	.77	.76	.76	.76	.75	.75	.75	.74	.74	.74	.74	.73	.73	.73	.72	.72	.72	.71	.71	.71	.70
.48	.77	.77	.77	.76	.76	.76	.75	.75	.75	.74	.74	.74	.74	.73	.73	.72	.72	.72	.71	.71	.71
.50	.78	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75	.74	.74	.74	.73	.73	.73	.72	.72	.72	.72
.52	.78	.78	.77	.77	.77	.77	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.73	.73	.73	.72	.72
.54	.78	.78	.78	.78	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75	.74	.74	.74	.73	.73	.73	.73
.56	.79	.79	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75	.74	.74	.74	.73	.73
.58	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74
1.60	.80	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.75	.75	.75	.75	.74
.62	.80	.80	.80	.79	.79	.79	.79	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75
.64	.81	.80	.80	.80	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.76	.75
.66	.81	.81	.80	.80	.80	.80	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76
.68	.81	.81	.81	.81	.80	.80	.80	.80	.79	.79	.79	.79	.78	.78	.78	.77	.77	.77	.77	.77	.76
.70	.82	.81	.81	.81	.81	.80	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77
.72	.82	.82	.82	.81	.81	.81	.81	.80	.80	.80	.80	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77
.74	.82	.82	.82	.82	.81	.81	.81	.81	.80	.80	.80	.80	.80	.79	.79	.79	.79	.78	.78	.78	.78
.76	.83	.82	.82	.82	.82	.82	.81	.81	.81	.81	.80	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78
.78	.83	.83	.83	.82	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80	.80	.80	.80	.79	.79	.79	.79
1.80	.83	.83	.83	.83	.83	.82	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80	.80	.80	.79	.79	.79
.82	.84	.83	.83	.83	.83	.83	.82	.82	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80	.80	.80	.79
.84	.84	.84	.84	.83	.83	.83	.83	.82	.82	.82	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80	.80
.86	.84	.84	.84	.84	.84	.83	.83	.83	.83	.82	.82	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80
.88	.85	.84	.84	.84	.84	.84	.83	.83	.83	.83	.83	.82	.82	.82	.82	.82	.81	.81	.81	.81	.81
.90	.85	.85	.85	.84	.84	.84	.84	.84	.83	.83	.83	.83	.83	.82	.82	.82	.82	.82	.81	.81	.81
.92	.85	.85	.85	.85	.85	.84	.84	.84	.84	.83	.83	.83	.83	.83	.82	.82	.82	.82	.82	.82	.81
.94	.86	.85	.85	.85	.85	.85	.84	.84	.84	.84	.84	.84	.83	.83	.83	.83	.83	.82	.82	.82	.82
.96	.86	.86	.85	.85	.85	.85	.85	.84	.84	.84	.84	.84	.84	.83	.83	.83	.83	.83	.83	.82	.82
.98	.86	.86	.86	.86	.85	.85	.85	.85	.85	.84	.84	.84	.84	.84	.83	.83	.83	.83	.83	.83	.83
2.00	.86	.86	.86	.86	.86	.86	.85	.85	.85	.85	.85	.85	.84	.84	.84	.84	.84	.83	.83	.83	.83

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 1,02 a 2,00

p = 0.00 a 0.40

u \ p	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80
0.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00
.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.05	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.06	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.07	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01
.08	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01
.09	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01
0.10	.04	.04	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01
.11	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02
.12	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02
.13	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02
.14	.06	.06	.05	.05	.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03
.15	.06	.06	.06	.06	.05	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03
.16	.07	.07	.06	.06	.06	.06	.06	.05	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.04	.03
.17	.07	.07	.07	.07	.06	.06	.06	.06	.06	.05	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04
.18	.08	.08	.07	.07	.07	.07	.06	.06	.06	.06	.06	.05	.05	.05	.05	.05	.04	.04	.04	.04
.19	.09	.08	.08	.08	.07	.07	.07	.07	.06	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.04
0.20	.09	.09	.08	.08	.08	.08	.07	.07	.07	.07	.06	.06	.06	.06	.06	.05	.05	.05	.05	.05
.21	.10	.09	.09	.09	.08	.08	.08	.07	.07	.07	.07	.07	.06	.06	.06	.06	.06	.05	.05	.05
.22	.10	.10	.10	.10	.09	.09	.08	.08	.08	.08	.07	.07	.07	.07	.06	.06	.06	.06	.06	.06
.23	.11	.10	.10	.10	.10	.09	.09	.09	.08	.08	.08	.08	.07	.07	.07	.07	.07	.06	.06	.06
.24	.11	.11	.11	.10	.10	.10	.10	.09	.09	.09	.08	.08	.08	.08	.07	.07	.07	.07	.07	.06
.25	.12	.12	.11	.11	.11	.10	.10	.10	.09	.09	.09	.09	.08	.08	.08	.08	.07	.07	.07	.07
.26	.13	.12	.12	.12	.11	.11	.11	.10	.10	.10	.09	.09	.09	.09	.08	.08	.08	.08	.07	.07
.27	.13	.13	.13	.12	.12	.11	.11	.11	.10	.10	.10	.09	.09	.09	.09	.09	.08	.08	.08	.08
.28	.14	.13	.13	.13	.12	.12	.12	.11	.11	.11	.10	.10	.10	.10	.09	.09	.09	.09	.08	.08
.29	.14	.14	.14	.13	.13	.13	.12	.12	.12	.11	.11	.11	.10	.10	.10	.09	.09	.09	.09	.08
0.30	.15	.15	.14	.14	.13	.13	.13	.12	.12	.12	.11	.11	.11	.11	.10	.10	.10	.09	.09	.09
.31	.16	.15	.15	.14	.14	.14	.13	.13	.13	.12	.12	.12	.11	.11	.11	.10	.10	.10	.10	.09
.32	.16	.16	.15	.15	.15	.14	.14	.14	.13	.13	.13	.12	.12	.12	.11	.11	.11	.10	.10	.10
.33	.17	.16	.16	.16	.15	.15	.14	.14	.14	.13	.13	.13	.12	.12	.12	.12	.11	.11	.11	.10
.34	.17	.17	.17	.16	.16	.15	.15	.15	.14	.14	.14	.13	.13	.13	.12	.12	.12	.11	.11	.11
.35	.18	.18	.17	.17	.16	.16	.16	.15	.15	.15	.14	.14	.14	.13	.13	.13	.12	.12	.12	.11
.36	.19	.18	.18	.17	.17	.17	.16	.16	.15	.15	.15	.14	.14	.14	.13	.13	.13	.12	.12	.12
.37	.19	.19	.18	.18	.18	.17	.17	.16	.16	.16	.15	.15	.15	.14	.14	.14	.13	.13	.13	.12
.38	.20	.19	.19	.19	.18	.18	.17	.17	.17	.16	.16	.15	.15	.15	.14	.14	.14	.13	.13	.13
.39	.21	.20	.19	.19	.19	.18	.18	.18	.17	.17	.16	.16	.16	.15	.15	.15	.14	.14	.14	.13
0.40	.21	.21	.20	.20	.19	.19	.19	.18	.18	.17	.17	.17	.16	.16	.15	.15	.15	.14	.14	.14
.41	.22	.21	.21	.20	.20	.20	.19	.19	.18	.18	.18	.17	.17	.16	.16	.16	.15	.15	.15	.14
.42	.22	.22	.21	.21	.21	.20	.20	.19	.19	.18	.18	.18	.17	.17	.17	.16	.16	.16	.15	.15
.43	.23	.22	.22	.22	.21	.21	.20	.20	.19	.19	.19	.18	.18	.18	.17	.17	.16	.16	.16	.15
.44	.24	.23	.23	.22	.22	.21	.21	.20	.20	.20	.19	.19	.18	.18	.18	.17	.17	.17	.16	.16
.45	.24	.24	.23	.23	.22	.22	.21	.21	.21	.20	.20	.19	.19	.19	.18	.18	.18	.17	.17	.16
.46	.25	.24	.24	.23	.23	.22	.22	.22	.21	.21	.20	.20	.20	.19	.19	.18	.18	.18	.17	.17
.47	.25	.25	.24	.24	.23	.23	.23	.22	.22	.21	.21	.21	.20	.20	.19	.19	.19	.18	.18	.17
.48	.26	.26	.25	.25	.24	.24	.23	.23	.23	.22	.22	.22	.21	.21	.20	.20	.19	.19	.19	.18
.49	.27	.26	.26	.25	.25	.24	.24	.23	.23	.22	.22	.22	.21	.21	.20	.20	.20	.19	.19	.19
0.50	.27	.27	.26	.26	.25	.25	.24	.24	.23	.23	.23	.22	.22	.21	.21	.21	.20	.20	.19	.19

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,00 a 0,50

p = 0,42 a 0,80

u \ p	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80
0.51	.28	.27	.27	.26	.26	.25	.25	.25	.24	.24	.23	.23	.22	.22	.22	.21	.21	.20	.20	.20
.52	.26	.28	.27	.27	.26	.26	.25	.25	.25	.24	.24	.23	.23	.22	.22	.22	.21	.21	.21	.20
.53	.29	.28	.28	.27	.27	.27	.26	.26	.25	.25	.24	.24	.23	.23	.23	.22	.22	.21	.21	.21
.54	.29	.29	.29	.28	.28	.27	.27	.26	.26	.25	.25	.24	.24	.24	.23	.23	.22	.22	.22	.21
.55	.30	.30	.29	.29	.28	.28	.27	.27	.26	.26	.25	.25	.25	.24	.24	.23	.23	.23	.22	.22
.56	.31	.30	.30	.29	.29	.28	.28	.27	.27	.26	.26	.26	.25	.25	.24	.24	.24	.23	.23	.22
.57	.31	.31	.30	.30	.29	.29	.28	.28	.27	.27	.27	.26	.26	.25	.25	.24	.24	.24	.23	.23
.58	.32	.31	.31	.30	.30	.29	.29	.29	.28	.28	.27	.27	.26	.26	.25	.25	.25	.24	.24	.23
.59	.32	.32	.31	.31	.30	.30	.29	.29	.29	.28	.28	.27	.27	.26	.26	.26	.25	.25	.24	.24
0.60	.33	.32	.32	.32	.31	.31	.30	.30	.29	.29	.28	.28	.27	.27	.27	.26	.26	.25	.25	.24
.61	.34	.33	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28	.28	.28	.27	.27	.26	.26	.25	.25
.62	.34	.34	.33	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28	.28	.28	.27	.27	.26	.26	.26
.63	.35	.34	.34	.33	.33	.32	.32	.31	.31	.30	.30	.30	.29	.29	.28	.28	.27	.27	.26	.26
.64	.35	.35	.34	.34	.33	.33	.32	.32	.31	.31	.30	.30	.30	.29	.29	.28	.28	.27	.27	.27
.65	.36	.35	.35	.34	.34	.33	.33	.32	.32	.31	.31	.31	.30	.30	.29	.29	.28	.28	.28	.27
.66	.36	.36	.35	.35	.34	.34	.33	.33	.33	.32	.32	.31	.31	.30	.30	.29	.29	.28	.28	.28
.67	.37	.36	.36	.35	.35	.34	.34	.34	.33	.33	.32	.32	.31	.31	.30	.30	.30	.29	.29	.28
.68	.37	.37	.36	.36	.36	.35	.34	.34	.34	.33	.33	.32	.32	.31	.31	.30	.30	.30	.29	.29
.69	.38	.37	.37	.37	.36	.36	.35	.35	.34	.34	.33	.33	.32	.32	.31	.31	.31	.30	.30	.29
0.70	.39	.38	.38	.37	.37	.36	.36	.35	.35	.34	.34	.33	.33	.32	.32	.32	.31	.31	.30	.30
.71	.39	.39	.38	.38	.37	.37	.36	.36	.35	.35	.34	.34	.33	.33	.32	.32	.32	.31	.31	.30
.72	.40	.39	.39	.38	.38	.37	.37	.36	.36	.35	.35	.34	.34	.34	.33	.33	.32	.32	.31	.31
.73	.40	.40	.39	.39	.38	.38	.37	.37	.36	.36	.35	.35	.34	.34	.34	.33	.33	.32	.32	.31
.74	.41	.40	.40	.39	.39	.38	.38	.37	.37	.36	.36	.35	.35	.35	.34	.34	.33	.33	.32	.32
.75	.41	.41	.40	.40	.39	.39	.38	.38	.37	.37	.36	.36	.36	.35	.35	.34	.34	.33	.33	.33
.76	.42	.41	.41	.40	.40	.39	.39	.38	.38	.37	.37	.37	.36	.36	.35	.35	.34	.34	.33	.33
.77	.42	.42	.41	.41	.40	.40	.39	.39	.38	.38	.38	.37	.37	.36	.36	.35	.35	.34	.34	.34
.78	.43	.42	.42	.41	.41	.40	.40	.39	.39	.38	.38	.38	.37	.37	.36	.36	.35	.35	.34	.34
.79	.43	.43	.42	.42	.41	.41	.40	.40	.40	.39	.39	.38	.38	.37	.37	.36	.36	.36	.35	.35
0.80	.44	.43	.43	.42	.42	.41	.41	.40	.40	.40	.39	.39	.38	.38	.37	.37	.36	.36	.36	.35
.81	.44	.44	.43	.43	.42	.42	.41	.41	.40	.40	.40	.39	.39	.38	.38	.37	.37	.37	.36	.36
.82	.45	.44	.44	.43	.43	.42	.42	.41	.41	.41	.40	.40	.39	.39	.38	.38	.37	.37	.37	.36
.83	.45	.45	.44	.44	.43	.43	.42	.42	.42	.41	.41	.40	.40	.39	.39	.38	.38	.38	.37	.37
.84	.46	.45	.45	.44	.44	.43	.43	.42	.42	.42	.41	.41	.40	.40	.39	.39	.38	.38	.38	.37
.85	.46	.46	.45	.45	.44	.44	.43	.43	.43	.42	.42	.41	.41	.40	.40	.39	.39	.39	.38	.38
.86	.47	.46	.46	.45	.45	.44	.44	.43	.43	.43	.42	.42	.41	.41	.40	.40	.40	.39	.39	.38
.87	.47	.47	.46	.46	.45	.45	.44	.44	.44	.43	.43	.42	.42	.41	.41	.40	.40	.40	.39	.39
.88	.48	.47	.47	.46	.46	.45	.45	.44	.44	.44	.43	.43	.42	.42	.41	.41	.41	.40	.40	.39
.89	.48	.48	.47	.47	.46	.46	.45	.45	.45	.44	.44	.43	.43	.42	.42	.41	.41	.41	.40	.40
0.90	.49	.48	.48	.47	.47	.46	.46	.45	.45	.45	.44	.44	.43	.43	.42	.42	.42	.41	.41	.40
.91	.49	.49	.48	.48	.47	.47	.46	.46	.46	.45	.45	.44	.44	.43	.43	.42	.42	.42	.41	.41
.92	.50	.49	.49	.48	.48	.47	.47	.46	.46	.46	.45	.45	.44	.44	.43	.43	.43	.42	.42	.41
.93	.50	.50	.49	.49	.48	.48	.47	.47	.46	.46	.46	.45	.45	.44	.44	.43	.43	.43	.42	.42
.94	.51	.50	.50	.49	.49	.48	.48	.47	.47	.46	.46	.46	.45	.45	.44	.44	.44	.43	.43	.42
.95	.51	.51	.50	.50	.49	.49	.48	.48	.47	.47	.47	.46	.46	.45	.45	.44	.44	.44	.43	.43
.96	.51	.51	.51	.50	.50	.49	.49	.48	.48	.47	.47	.47	.46	.46	.45	.45	.44	.44	.44	.43
.97	.52	.51	.51	.51	.50	.50	.49	.49	.48	.48	.48	.47	.47	.46	.46	.45	.45	.44	.44	.44
.98	.52	.52	.51	.51	.51	.50	.50	.49	.49	.48	.48	.48	.47	.47	.46	.46	.45	.45	.45	.44
.99	.53	.52	.52	.52	.51	.51	.50	.50	.49	.49	.48	.48	.48	.47	.47	.46	.46	.45	.45	.45
1.00	.53	.53	.52	.52	.52	.51	.51	.50	.50	.49	.49	.49	.48	.48	.47	.47	.46	.46	.46	.45

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

$u = 0,51 \text{ a } 1,00$

$p = 0,42 \text{ a } 0,80$

u \ p	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80
1.02	.54	.54	.53	.53	.52	.52	.52	.51	.51	.50	.50	.49	.49	.49	.48	.48	.47	.47	.46	.46
.04	.55	.55	.54	.54	.53	.53	.52	.52	.52	.51	.51	.50	.50	.49	.49	.49	.48	.48	.47	.47
.06	.56	.55	.55	.55	.54	.54	.53	.53	.52	.52	.52	.51	.51	.50	.50	.50	.49	.49	.48	.48
.08	.57	.56	.56	.55	.55	.55	.54	.54	.53	.53	.52	.52	.52	.51	.51	.50	.50	.50	.49	.49
.10	.58	.57	.57	.56	.56	.55	.55	.55	.54	.54	.53	.53	.53	.52	.52	.51	.51	.51	.50	.50
.12	.58	.58	.57	.57	.57	.56	.56	.55	.55	.55	.54	.54	.53	.53	.53	.52	.52	.52	.51	.51
.14	.59	.59	.58	.58	.57	.57	.57	.56	.56	.55	.55	.55	.54	.54	.53	.53	.53	.52	.52	.52
.16	.60	.59	.59	.59	.58	.58	.57	.57	.57	.56	.56	.55	.55	.55	.54	.54	.54	.53	.53	.52
.18	.61	.60	.60	.59	.59	.59	.58	.58	.58	.57	.57	.56	.56	.56	.55	.55	.54	.54	.54	.53
1.20	.61	.61	.61	.60	.60	.59	.59	.59	.58	.58	.58	.57	.57	.56	.56	.56	.55	.55	.55	.54
.22	.62	.62	.61	.61	.61	.60	.60	.59	.59	.59	.58	.58	.58	.57	.57	.56	.56	.56	.55	.55
.24	.63	.62	.62	.62	.61	.61	.60	.60	.60	.59	.59	.59	.58	.58	.58	.57	.57	.57	.56	.56
.26	.64	.63	.63	.62	.62	.62	.61	.61	.61	.60	.60	.59	.59	.59	.58	.58	.58	.57	.57	.57
.28	.64	.64	.64	.63	.63	.62	.62	.62	.61	.61	.61	.60	.60	.60	.59	.59	.58	.58	.58	.57
.30	.65	.65	.64	.64	.64	.63	.63	.62	.62	.62	.61	.61	.61	.60	.60	.60	.59	.59	.59	.58
.32	.66	.65	.65	.65	.64	.64	.64	.63	.63	.62	.62	.62	.61	.61	.61	.60	.60	.60	.59	.59
.34	.66	.66	.66	.65	.65	.65	.64	.64	.64	.63	.63	.62	.62	.62	.61	.61	.61	.60	.60	.60
.36	.67	.67	.66	.66	.66	.65	.65	.65	.64	.64	.64	.63	.63	.63	.62	.62	.62	.61	.61	.61
.38	.68	.67	.67	.67	.66	.66	.66	.65	.65	.65	.64	.64	.64	.63	.63	.63	.62	.62	.62	.61
1.40	.68	.68	.68	.67	.67	.67	.66	.66	.66	.65	.65	.64	.64	.64	.64	.63	.63	.63	.62	.62
.42	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66	.66	.65	.65	.65	.64	.64	.64	.63	.63	.63
.44	.69	.69	.69	.68	.68	.68	.68	.67	.67	.67	.66	.66	.66	.65	.65	.65	.64	.64	.64	.63
.46	.70	.70	.69	.69	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66	.66	.65	.65	.65	.64	.64
.48	.71	.70	.70	.70	.69	.69	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66	.66	.65	.65	.65
.50	.71	.71	.71	.70	.70	.70	.69	.69	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66	.66	.66
.52	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.69	.69	.68	.68	.68	.67	.67	.67	.66	.66
.54	.72	.72	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.69	.69	.68	.68	.68	.67	.67	.67
.56	.73	.73	.72	.72	.72	.71	.71	.71	.71	.70	.70	.70	.69	.69	.69	.69	.68	.68	.68	.67
.58	.73	.73	.73	.73	.72	.72	.72	.72	.71	.71	.71	.70	.70	.70	.70	.69	.69	.69	.68	.68
1.60	.74	.74	.73	.73	.73	.73	.72	.72	.72	.72	.71	.71	.71	.70	.70	.70	.69	.69	.69	.69
.62	.74	.74	.74	.74	.73	.73	.73	.73	.72	.72	.72	.72	.71	.71	.71	.70	.70	.70	.70	.69
.64	.75	.75	.74	.74	.74	.74	.73	.73	.73	.73	.72	.72	.72	.72	.71	.71	.71	.71	.70	.70
.66	.76	.75	.75	.75	.75	.74	.74	.74	.73	.73	.73	.73	.72	.72	.72	.72	.71	.71	.71	.71
.68	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.73	.73	.73	.73	.72	.72	.72	.71	.71	.71
.70	.77	.76	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.74	.73	.73	.73	.72	.72	.72	.72
.72	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.74	.73	.73	.73	.73	.72
.74	.77	.77	.77	.77	.76	.76	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.74	.73	.73	.73
.76	.78	.78	.77	.77	.77	.77	.76	.76	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.74	.73
.78	.78	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75	.75	.74	.74	.74	.74
1.80	.79	.78	.78	.78	.78	.78	.77	.77	.77	.77	.77	.76	.76	.76	.76	.75	.75	.75	.75	.74
.82	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.77	.77	.76	.76	.76	.75	.75	.75	.75
.84	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.77	.76	.76	.76	.76	.75
.86	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.76	.76	.76	.76
.88	.80	.80	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77	.77	.76
.90	.81	.81	.80	.80	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78	.77	.77	.77	.77
.92	.81	.81	.81	.81	.80	.80	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78	.78	.77
.94	.82	.81	.81	.81	.81	.81	.80	.80	.80	.80	.80	.79	.79	.79	.79	.79	.78	.78	.78	.78
.96	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80	.80	.80	.80	.79	.79	.79	.79	.79	.79	.78
.98	.82	.82	.82	.82	.82	.81	.81	.81	.81	.81	.80	.80	.80	.80	.80	.80	.79	.79	.79	.79
2.00	.83	.83	.82	.82	.82	.82	.82	.81	.81	.81	.81	.81	.81	.80	.80	.80	.80	.80	.79	.79

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 1,02 a 2,00

p = 0,42 a 0,80

u \ p	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55	1.60
0.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.06	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.08	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0.10	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.12	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00
.14	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.16	.03	.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01
.18	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01
0.20	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01
.22	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.01
.24	.06	.05	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02
.26	.07	.06	.06	.05	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02
.28	.08	.07	.07	.06	.06	.05	.05	.04	.04	.04	.04	.03	.03	.03	.03	.02
0.30	.08	.08	.07	.07	.06	.06	.05	.05	.05	.04	.04	.04	.04	.03	.03	.03
.32	.09	.09	.08	.08	.07	.07	.06	.06	.05	.05	.05	.04	.04	.04	.04	.03
.34	.10	.10	.09	.08	.08	.07	.07	.07	.06	.06	.05	.05	.05	.04	.04	.04
.36	.11	.11	.10	.09	.09	.08	.08	.07	.07	.06	.06	.06	.05	.05	.05	.04
.38	.12	.11	.11	.10	.10	.09	.08	.08	.08	.07	.07	.06	.06	.05	.05	.05
0.40	.13	.12	.12	.11	.10	.10	.09	.09	.08	.08	.07	.07	.06	.06	.06	.05
.42	.14	.13	.13	.12	.11	.11	.10	.10	.09	.09	.08	.08	.07	.07	.06	.06
.44	.15	.14	.14	.13	.12	.12	.11	.10	.10	.09	.09	.08	.08	.07	.07	.07
.46	.16	.15	.15	.14	.13	.13	.12	.11	.11	.10	.10	.09	.09	.08	.08	.07
.48	.17	.16	.16	.15	.14	.13	.13	.12	.12	.11	.10	.10	.09	.09	.08	.08
0.50	.18	.17	.17	.16	.15	.14	.14	.13	.12	.12	.11	.11	.10	.10	.09	.09
.52	.19	.18	.18	.17	.16	.15	.15	.14	.13	.13	.12	.11	.11	.10	.10	.09
.54	.20	.19	.19	.18	.17	.16	.16	.15	.14	.14	.13	.12	.12	.11	.11	.10
.56	.21	.20	.20	.19	.18	.17	.16	.16	.15	.14	.14	.13	.13	.12	.11	.11
.58	.22	.22	.21	.20	.19	.18	.17	.17	.16	.15	.15	.14	.13	.13	.12	.12
0.60	.24	.23	.22	.21	.20	.19	.18	.18	.17	.16	.16	.15	.14	.14	.13	.12
.62	.25	.24	.23	.22	.21	.20	.19	.19	.18	.17	.16	.16	.15	.15	.14	.13
.64	.26	.25	.24	.23	.22	.21	.20	.20	.19	.18	.17	.17	.16	.15	.15	.14
.66	.27	.26	.25	.24	.23	.22	.21	.21	.20	.19	.18	.18	.17	.16	.16	.15
.68	.28	.27	.26	.25	.24	.23	.22	.22	.21	.20	.19	.19	.18	.17	.16	.16
0.70	.29	.28	.27	.26	.25	.24	.23	.23	.22	.21	.20	.19	.19	.18	.17	.17
.72	.30	.29	.28	.27	.26	.25	.24	.24	.23	.22	.21	.20	.20	.19	.18	.18
.74	.31	.30	.29	.28	.27	.26	.25	.25	.24	.23	.22	.21	.21	.20	.19	.19
.76	.32	.31	.30	.29	.28	.27	.26	.26	.25	.24	.23	.22	.22	.21	.20	.19
.78	.33	.32	.31	.30	.29	.28	.27	.27	.26	.25	.24	.23	.23	.22	.21	.20
0.80	.34	.33	.32	.31	.30	.29	.28	.28	.27	.26	.25	.24	.24	.23	.22	.21
.82	.35	.34	.33	.32	.31	.30	.29	.29	.28	.27	.26	.25	.25	.24	.23	.22
.84	.36	.35	.34	.33	.32	.31	.30	.30	.29	.28	.27	.26	.25	.25	.24	.23
.86	.37	.36	.35	.34	.33	.32	.31	.31	.30	.29	.28	.27	.26	.26	.25	.24
.88	.38	.37	.36	.35	.34	.33	.32	.32	.31	.30	.29	.28	.27	.27	.26	.25
0.90	.39	.38	.37	.36	.35	.34	.33	.33	.32	.31	.30	.29	.28	.28	.27	.26
.92	.40	.39	.38	.37	.36	.35	.34	.34	.33	.32	.31	.30	.29	.29	.28	.27
.94	.41	.40	.39	.38	.37	.36	.35	.35	.34	.33	.32	.31	.30	.30	.29	.28
.96	.42	.41	.40	.39	.38	.37	.36	.36	.35	.34	.33	.32	.31	.30	.30	.29
.98	.43	.42	.41	.40	.39	.38	.37	.37	.36	.35	.34	.33	.32	.31	.31	.30
1.00	.44	.43	.42	.41	.40	.39	.38	.38	.37	.36	.35	.34	.33	.33	.32	.31

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,00 a 1,00

p = 0.85 a 1,60

u \ p	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55	1.60
1.02	.45	.44	.43	.42	.41	.40	.39	.39	.38	.37	.36	.35	.34	.33	.33	.32
.04	.46	.45	.44	.43	.42	.41	.40	.39	.39	.38	.37	.36	.35	.34	.34	.33
.06	.47	.46	.45	.44	.43	.42	.41	.40	.40	.39	.38	.37	.36	.35	.35	.34
.08	.48	.47	.46	.45	.44	.43	.42	.41	.41	.40	.39	.38	.37	.36	.35	.35
1.10	.49	.48	.47	.46	.45	.44	.43	.42	.42	.41	.40	.39	.38	.37	.36	.36
.12	.50	.49	.48	.47	.46	.45	.44	.43	.42	.42	.41	.40	.39	.38	.37	.37
.14	.51	.50	.49	.48	.47	.46	.45	.44	.43	.43	.42	.41	.40	.39	.38	.38
.16	.51	.51	.50	.49	.48	.47	.46	.45	.44	.43	.43	.42	.41	.40	.39	.39
.18	.52	.51	.51	.50	.49	.48	.47	.46	.45	.44	.44	.43	.42	.41	.40	.39
1.20	.53	.52	.51	.51	.50	.49	.48	.47	.46	.45	.44	.44	.43	.42	.41	.40
.22	.54	.53	.52	.51	.51	.50	.49	.48	.47	.46	.45	.45	.44	.43	.42	.41
.24	.55	.54	.53	.52	.51	.51	.50	.49	.48	.47	.46	.45	.45	.44	.43	.42
.26	.56	.55	.54	.53	.52	.51	.51	.50	.49	.48	.47	.46	.46	.45	.44	.43
.28	.57	.56	.55	.54	.53	.52	.51	.51	.50	.49	.48	.47	.46	.46	.45	.44
1.30	.57	.57	.56	.55	.54	.53	.52	.51	.51	.50	.49	.48	.47	.47	.46	.45
.32	.58	.57	.56	.56	.55	.54	.53	.52	.51	.51	.50	.49	.48	.47	.47	.46
.34	.59	.58	.57	.56	.56	.55	.54	.53	.52	.51	.51	.50	.49	.48	.48	.47
.36	.60	.59	.58	.57	.56	.56	.55	.54	.53	.52	.52	.51	.50	.49	.48	.48
.38	.60	.60	.59	.58	.57	.56	.56	.55	.54	.53	.52	.52	.51	.50	.49	.49
1.40	.61	.60	.60	.59	.58	.57	.56	.56	.55	.54	.53	.53	.52	.51	.50	.49
.42	.62	.61	.60	.60	.59	.58	.57	.56	.56	.55	.54	.53	.53	.52	.51	.50
.44	.63	.62	.61	.60	.60	.59	.58	.57	.56	.56	.55	.54	.53	.53	.52	.51
.46	.63	.63	.62	.61	.60	.60	.59	.58	.57	.56	.56	.55	.54	.53	.53	.52
.48	.64	.63	.63	.62	.61	.60	.60	.59	.58	.57	.57	.56	.55	.54	.54	.53
1.50	.65	.64	.63	.63	.62	.61	.60	.60	.59	.58	.57	.57	.56	.55	.54	.54
.52	.65	.65	.64	.63	.62	.62	.61	.60	.60	.59	.58	.57	.57	.56	.55	.54
.54	.66	.65	.65	.64	.63	.62	.62	.61	.60	.60	.59	.58	.57	.57	.56	.55
.56	.67	.66	.65	.65	.64	.63	.62	.62	.61	.60	.60	.59	.58	.57	.57	.56
.58	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	.60	.60	.59	.58	.58	.57
1.60	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	.60	.60	.59	.58	.58
.62	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	.60	.60	.59	.58
.64	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	.61	.60	.59
.66	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	.61	.60
.68	.70	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	.61
1.70	.71	.70	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61
.72	.72	.71	.70	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62
.74	.72	.72	.71	.70	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.63
.76	.73	.72	.72	.71	.70	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.64
.78	.73	.73	.72	.72	.71	.70	.70	.69	.69	.68	.67	.67	.66	.66	.65	.64
1.80	.74	.73	.73	.72	.72	.71	.70	.70	.69	.69	.68	.67	.67	.66	.66	.65
.82	.74	.74	.73	.73	.72	.72	.71	.70	.70	.69	.69	.68	.67	.67	.66	.66
.84	.75	.74	.74	.73	.73	.72	.71	.71	.70	.70	.69	.69	.68	.68	.67	.66
.86	.75	.75	.74	.74	.73	.73	.72	.71	.71	.70	.70	.69	.69	.68	.68	.67
.88	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71	.70	.70	.69	.69	.68	.68
1.90	.76	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71	.71	.70	.69	.69	.68
.92	.77	.76	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71	.71	.70	.69	.69
.94	.77	.77	.76	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71	.71	.70	.69
.96	.78	.77	.77	.76	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71	.71	.70
.98	.78	.78	.77	.77	.76	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71	.71
2.00	.79	.78	.78	.77	.77	.76	.76	.75	.75	.74	.74	.73	.73	.72	.72	.71

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 1,02 a 2,00

p = 0,85 a 1,60

u \ p	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
0.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.16	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.18	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
0.20	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.22	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.24	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00
.26	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
.28	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00
0.30	.03	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00
.32	.03	.03	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00
.34	.04	.03	.03	.03	.03	.03	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.00
.36	.04	.04	.04	.03	.03	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01
.38	.05	.04	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01
0.40	.05	.05	.04	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01
.42	.06	.05	.05	.05	.04	.04	.04	.04	.03	.03	.03	.02	.02	.02	.02	.01	.01	.01
.44	.06	.06	.06	.05	.05	.05	.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.01	.01
.46	.07	.07	.06	.06	.06	.05	.05	.05	.04	.04	.03	.03	.03	.02	.02	.02	.02	.02
.48	.08	.07	.07	.06	.06	.06	.05	.05	.05	.04	.04	.03	.03	.03	.02	.02	.02	.02
0.50	.08	.08	.07	.07	.07	.06	.06	.06	.05	.05	.04	.04	.03	.03	.03	.02	.02	.02
.52	.09	.09	.08	.08	.07	.07	.07	.06	.06	.05	.05	.04	.04	.03	.03	.03	.02	.02
.54	.10	.09	.09	.08	.08	.08	.07	.07	.06	.06	.05	.05	.04	.04	.03	.03	.03	.02
.56	.10	.10	.10	.09	.09	.08	.08	.08	.07	.06	.06	.05	.05	.04	.04	.03	.03	.03
.58	.11	.11	.10	.10	.09	.09	.09	.08	.07	.07	.06	.06	.05	.05	.04	.04	.03	.03
0.60	.12	.11	.11	.10	.10	.10	.09	.09	.08	.07	.07	.06	.05	.05	.04	.04	.03	.03
.62	.13	.12	.12	.11	.11	.10	.10	.09	.09	.08	.07	.07	.06	.05	.05	.05	.04	.04
.64	.14	.13	.13	.12	.11	.11	.11	.10	.09	.09	.08	.07	.07	.06	.05	.05	.05	.04
.66	.14	.14	.13	.13	.12	.12	.11	.11	.10	.09	.08	.08	.07	.06	.06	.05	.05	.05
.68	.15	.15	.14	.14	.13	.13	.12	.12	.11	.10	.09	.08	.08	.07	.06	.06	.05	.05
0.70	.16	.16	.15	.14	.14	.13	.13	.12	.11	.10	.10	.09	.08	.08	.07	.06	.06	.05
.72	.17	.16	.16	.15	.15	.14	.14	.13	.12	.11	.10	.10	.09	.08	.07	.07	.06	.06
.74	.18	.17	.17	.16	.15	.15	.14	.14	.13	.12	.11	.10	.09	.09	.08	.07	.06	.06
.76	.19	.18	.18	.17	.16	.16	.15	.15	.14	.13	.12	.11	.10	.09	.09	.08	.07	.07
.78	.20	.19	.18	.18	.17	.17	.16	.15	.14	.13	.12	.12	.11	.10	.09	.09	.08	.07
0.80	.21	.20	.19	.19	.18	.17	.17	.16	.15	.14	.13	.12	.11	.10	.09	.09	.08	.07
.82	.21	.21	.20	.20	.19	.18	.18	.17	.16	.15	.14	.13	.12	.11	.11	.10	.09	.08
.84	.22	.22	.21	.20	.20	.19	.19	.18	.17	.16	.15	.14	.13	.12	.11	.10	.10	.09
.86	.23	.23	.22	.21	.21	.20	.19	.19	.18	.17	.16	.15	.14	.13	.12	.11	.10	.10
.88	.24	.24	.23	.22	.22	.21	.20	.20	.19	.17	.16	.15	.14	.13	.13	.12	.11	.10
0.90	.25	.25	.24	.23	.22	.22	.21	.21	.19	.18	.17	.16	.15	.14	.13	.12	.12	.11
.92	.26	.26	.25	.24	.23	.23	.22	.21	.20	.19	.18	.17	.16	.15	.14	.13	.12	.12
.94	.27	.26	.26	.25	.24	.24	.23	.22	.21	.20	.19	.18	.17	.16	.15	.14	.13	.12
.96	.28	.27	.27	.26	.25	.25	.24	.23	.22	.21	.20	.19	.17	.16	.15	.15	.14	.13
.98	.29	.28	.28	.27	.26	.26	.25	.24	.23	.22	.20	.19	.18	.17	.16	.15	.14	.14
1.00	.30	.29	.29	.28	.27	.26	.26	.25	.24	.23	.21	.20	.19	.18	.17	.16	.15	.14

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,00 a 1,00

p = 1,65 a 3,00

u \ p	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
1.02	.31	.30	.30	.29	.28	.27	.27	.26	.25	.23	.22	.21	.20	.19	.18	.17	.16	.15
.04	.32	.31	.30	.30	.29	.28	.28	.27	.26	.24	.23	.22	.21	.20	.19	.18	.17	.16
.06	.33	.32	.31	.31	.30	.29	.29	.28	.27	.25	.24	.23	.22	.20	.19	.18	.17	.17
.08	.34	.33	.32	.32	.31	.30	.29	.29	.27	.26	.25	.24	.22	.21	.20	.19	.18	.17
1.10	.35	.34	.33	.33	.32	.31	.30	.29	.28	.27	.26	.25	.23	.22	.21	.20	.19	.18
.12	.36	.35	.34	.34	.33	.32	.31	.31	.29	.28	.27	.25	.24	.23	.22	.21	.20	.19
.14	.37	.36	.35	.34	.34	.33	.32	.31	.30	.29	.28	.26	.25	.24	.23	.22	.21	.20
.16	.38	.37	.36	.35	.35	.34	.33	.32	.31	.30	.28	.27	.26	.25	.24	.23	.21	.20
.18	.39	.38	.37	.36	.36	.35	.34	.33	.32	.31	.29	.28	.27	.26	.24	.23	.22	.21
1.20	.40	.39	.38	.37	.37	.36	.35	.34	.33	.32	.30	.29	.28	.27	.25	.24	.23	.22
.22	.41	.40	.39	.38	.37	.37	.36	.35	.34	.33	.31	.30	.29	.27	.25	.25	.24	.23
.24	.41	.41	.40	.39	.38	.38	.37	.36	.35	.33	.32	.31	.30	.28	.27	.26	.25	.24
.26	.42	.42	.41	.40	.39	.39	.38	.37	.36	.34	.33	.32	.30	.29	.28	.27	.26	.25
.28	.43	.43	.42	.41	.40	.40	.39	.38	.37	.35	.34	.33	.31	.30	.29	.28	.27	.25
1.30	.44	.43	.43	.42	.41	.41	.40	.39	.38	.36	.35	.34	.32	.31	.30	.29	.27	.26
.32	.45	.44	.44	.43	.42	.41	.41	.40	.39	.37	.36	.34	.33	.32	.31	.30	.28	.27
.34	.46	.45	.44	.44	.43	.42	.42	.41	.39	.38	.37	.35	.34	.33	.32	.30	.29	.28
.36	.47	.46	.45	.45	.44	.43	.43	.42	.40	.39	.38	.36	.35	.34	.33	.31	.30	.29
.38	.48	.47	.46	.46	.45	.44	.43	.43	.41	.40	.39	.37	.36	.35	.33	.32	.31	.30
1.40	.49	.48	.47	.46	.46	.45	.44	.44	.42	.41	.39	.38	.37	.36	.34	.33	.32	.31
.42	.50	.49	.48	.47	.47	.46	.45	.45	.43	.42	.40	.39	.38	.36	.35	.34	.33	.32
.44	.50	.50	.49	.48	.48	.47	.46	.45	.44	.43	.41	.40	.39	.37	.36	.35	.34	.33
.46	.51	.51	.50	.49	.48	.48	.47	.46	.45	.44	.42	.41	.40	.38	.37	.36	.35	.33
.48	.52	.51	.51	.50	.49	.49	.48	.47	.46	.44	.43	.42	.40	.39	.38	.37	.36	.34
1.50	.53	.52	.52	.51	.50	.49	.49	.48	.47	.45	.44	.43	.41	.40	.39	.38	.36	.35
.52	.54	.53	.52	.52	.51	.50	.50	.49	.48	.46	.45	.44	.42	.41	.40	.39	.37	.36
.54	.55	.54	.53	.52	.52	.51	.50	.50	.48	.47	.46	.44	.43	.42	.41	.39	.38	.37
.56	.55	.55	.54	.53	.53	.52	.51	.51	.49	.48	.47	.45	.44	.43	.42	.40	.39	.38
.58	.56	.56	.55	.54	.53	.53	.52	.51	.50	.49	.47	.46	.45	.44	.42	.41	.40	.39
1.60	.57	.56	.56	.55	.54	.54	.53	.52	.51	.50	.48	.47	.46	.45	.43	.42	.41	.40
.62	.58	.57	.56	.56	.55	.54	.54	.53	.52	.50	.49	.48	.47	.45	.44	.43	.42	.41
.64	.59	.58	.57	.57	.56	.55	.55	.54	.53	.51	.50	.49	.48	.46	.45	.44	.43	.41
.66	.59	.59	.58	.57	.57	.56	.55	.55	.53	.52	.51	.50	.48	.47	.46	.45	.43	.42
.68	.60	.59	.59	.58	.57	.57	.56	.56	.54	.53	.52	.50	.49	.48	.47	.46	.44	.43
1.70	.61	.60	.60	.59	.58	.58	.57	.56	.55	.54	.53	.51	.50	.49	.48	.46	.45	.44
.72	.62	.61	.60	.60	.59	.58	.58	.57	.56	.55	.53	.52	.51	.50	.48	.47	.46	.45
.74	.62	.62	.61	.60	.60	.59	.59	.58	.57	.55	.54	.53	.52	.51	.49	.48	.47	.46
.76	.63	.62	.62	.61	.61	.60	.59	.59	.57	.56	.55	.54	.53	.51	.50	.49	.48	.47
.78	.64	.63	.63	.62	.61	.61	.60	.59	.58	.57	.56	.55	.53	.52	.51	.50	.49	.48
1.80	.64	.64	.63	.63	.62	.61	.61	.60	.59	.58	.57	.55	.54	.53	.52	.51	.50	.48
.82	.65	.65	.64	.63	.63	.62	.62	.61	.60	.59	.57	.56	.55	.54	.53	.52	.50	.49
.84	.66	.65	.65	.64	.63	.63	.62	.62	.60	.59	.58	.57	.56	.55	.53	.52	.51	.50
.86	.66	.66	.65	.65	.64	.64	.63	.62	.61	.60	.59	.58	.57	.55	.54	.53	.52	.51
.88	.67	.66	.66	.65	.65	.64	.64	.63	.62	.61	.60	.59	.57	.56	.55	.54	.53	.52
1.90	.68	.67	.67	.66	.66	.65	.64	.64	.63	.62	.60	.59	.58	.57	.56	.55	.54	.53
.92	.68	.68	.67	.67	.66	.66	.65	.65	.63	.62	.61	.60	.59	.58	.57	.56	.55	.53
.94	.69	.68	.68	.67	.67	.66	.66	.65	.64	.63	.62	.61	.60	.59	.57	.56	.55	.54
.96	.70	.69	.69	.68	.67	.67	.66	.66	.65	.64	.63	.62	.60	.59	.58	.57	.56	.55
.98	.70	.70	.69	.69	.68	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59	.58	.57	.56
2.00	.71	.70	.70	.69	.69	.68	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59	.58	.57

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 1,02 a 2,00

p = 1,65 a 3,00

u \ p	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
2.05	.87	.87	.86	.86	.85	.85	.85	.84	.84	.83	.83	.82	.82	.82	.81	.81	.80	.80	.79	.79	.78
.10	.88	.87	.87	.87	.86	.86	.85	.85	.85	.84	.84	.83	.83	.83	.82	.82	.81	.81	.80	.80	.80
.15	.88	.88	.88	.87	.87	.86	.86	.86	.85	.85	.85	.84	.84	.83	.83	.83	.82	.82	.81	.81	.81
.20	.89	.89	.88	.88	.88	.87	.87	.86	.86	.86	.85	.85	.85	.84	.84	.84	.83	.83	.82	.82	.82
.25	.89	.89	.89	.88	.88	.88	.87	.87	.87	.86	.86	.86	.85	.85	.85	.84	.84	.84	.83	.83	.83
.30	.90	.90	.89	.89	.89	.88	.88	.88	.87	.87	.87	.87	.86	.86	.86	.85	.85	.85	.84	.84	.83
.35	.90	.90	.90	.90	.89	.89	.89	.88	.88	.88	.88	.87	.87	.87	.86	.86	.86	.85	.85	.85	.84
.40	.91	.91	.90	.90	.90	.90	.89	.89	.89	.88	.88	.88	.88	.87	.87	.87	.86	.86	.86	.86	.85
.45	.91	.91	.91	.91	.90	.90	.90	.90	.89	.89	.89	.89	.88	.88	.88	.87	.87	.87	.86	.86	.86
.50	.92	.92	.91	.91	.91	.91	.90	.90	.90	.90	.89	.89	.89	.89	.88	.88	.88	.88	.87	.87	.87
.55	.92	.92	.92	.91	.91	.91	.91	.91	.90	.90	.90	.90	.89	.89	.89	.89	.88	.88	.88	.88	.87
.60	.93	.92	.92	.92	.92	.92	.91	.91	.91	.91	.90	.90	.90	.90	.90	.89	.89	.89	.88	.88	.88
.65	.93	.93	.93	.92	.92	.92	.92	.91	.91	.91	.91	.91	.91	.90	.90	.90	.90	.89	.89	.89	.89
.70	.93	.93	.93	.93	.93	.92	.92	.92	.92	.92	.91	.91	.91	.91	.91	.90	.90	.90	.90	.89	.89
.75	.94	.93	.93	.93	.93	.93	.93	.92	.92	.92	.92	.92	.91	.91	.91	.91	.91	.91	.90	.90	.90
.80	.94	.94	.94	.93	.93	.93	.93	.93	.93	.92	.92	.92	.92	.92	.92	.91	.91	.91	.91	.91	.90
.85	.94	.94	.94	.94	.94	.93	.93	.93	.93	.93	.93	.93	.92	.92	.92	.92	.92	.92	.91	.91	.91
.90	.94	.94	.94	.94	.94	.94	.94	.94	.93	.93	.93	.93	.93	.93	.92	.92	.92	.92	.92	.92	.92
.95	.95	.95	.94	.94	.94	.94	.94	.94	.94	.94	.93	.93	.93	.93	.93	.93	.93	.92	.92	.92	.92
3.00	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.94	.94	.94	.93	.93	.93	.93	.93	.93	.93	.92
.05	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.94	.94	.94	.93	.93	.93	.93	.93	.93
.10	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.94	.94	.94	.93	.93	.93
.15	.96	.96	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.94	.94	.94
.20	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.94
.25	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94
.30	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95
.35	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.95
.40	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95
.45	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.95
.50	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96
.55	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.96
.60	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96
.65	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96
.70	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97
.75	.98	.98	.98	.98	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97
.80	.98	.98	.98	.98	.98	.98	.98	.98	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97
.85	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97
.90	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.97	.97	.97	.97	.97
.95	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.97
4.00	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.10	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.20	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.30	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.40	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.50	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.60	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.70	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.80	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.90	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
5.00	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 2,05 a 5,00 p = 0,00 a 1,00

u \ p	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
2.05	.78	.77	.76	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59
.10	.79	.78	.77	.76	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62	.61	.60
.15	.80	.79	.78	.77	.76	.75	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62
.20	.81	.80	.79	.78	.78	.77	.76	.75	.74	.73	.72	.71	.71	.70	.69	.68	.67	.66	.65	.64
.25	.82	.81	.80	.79	.79	.78	.77	.76	.75	.75	.74	.73	.72	.71	.70	.69	.68	.68	.67	.66
.30	.83	.82	.81	.81	.80	.79	.78	.78	.77	.76	.75	.74	.73	.73	.72	.71	.70	.69	.68	.67
.35	.84	.83	.82	.82	.81	.80	.79	.79	.78	.77	.76	.76	.75	.74	.73	.72	.71	.71	.70	.69
.40	.85	.84	.83	.83	.82	.81	.81	.80	.79	.78	.78	.77	.76	.75	.75	.74	.73	.72	.71	.71
.45	.85	.85	.84	.83	.83	.82	.82	.81	.80	.79	.79	.78	.77	.77	.76	.75	.74	.74	.73	.72
.50	.86	.86	.85	.84	.84	.83	.83	.82	.81	.81	.80	.79	.79	.78	.77	.76	.76	.75	.74	.73
.55	.87	.86	.86	.85	.85	.84	.83	.83	.82	.82	.81	.80	.80	.79	.78	.78	.77	.76	.76	.75
.60	.88	.87	.87	.86	.86	.85	.84	.84	.83	.83	.82	.81	.81	.80	.79	.79	.78	.78	.77	.76
.65	.88	.88	.87	.87	.86	.86	.85	.85	.84	.84	.83	.82	.82	.81	.81	.80	.79	.79	.78	.77
.70	.89	.88	.88	.88	.87	.87	.86	.86	.85	.84	.84	.83	.83	.82	.82	.81	.80	.80	.79	.79
.75	.90	.89	.89	.88	.88	.87	.87	.86	.86	.85	.85	.84	.84	.83	.83	.82	.82	.81	.80	.80
.80	.90	.90	.89	.89	.88	.88	.88	.87	.87	.86	.86	.85	.85	.84	.84	.83	.83	.82	.81	.81
.85	.91	.90	.90	.89	.89	.89	.88	.88	.87	.87	.86	.86	.86	.85	.85	.84	.84	.83	.82	.82
.90	.91	.91	.90	.90	.90	.89	.89	.89	.88	.88	.87	.87	.86	.86	.85	.85	.84	.84	.83	.83
.95	.92	.91	.91	.91	.90	.90	.90	.89	.89	.88	.88	.88	.87	.87	.86	.86	.85	.85	.84	.84
3.00	.92	.92	.91	.91	.91	.90	.90	.90	.89	.89	.89	.88	.88	.87	.87	.87	.86	.86	.85	.85
.05	.93	.92	.92	.92	.91	.91	.91	.90	.90	.90	.89	.89	.89	.88	.88	.87	.87	.87	.86	.86
.10	.93	.93	.92	.92	.92	.92	.91	.91	.91	.90	.90	.90	.89	.89	.88	.88	.88	.87	.87	.87
.15	.93	.93	.93	.93	.92	.92	.92	.91	.91	.91	.90	.90	.90	.89	.89	.89	.88	.88	.88	.87
.20	.94	.93	.93	.93	.93	.92	.92	.92	.92	.91	.91	.91	.90	.90	.90	.89	.89	.89	.88	.88
.25	.94	.94	.94	.93	.93	.93	.93	.92	.92	.92	.92	.91	.91	.91	.90	.90	.90	.89	.89	.89
.30	.94	.94	.94	.94	.94	.93	.93	.93	.93	.92	.92	.92	.92	.91	.91	.91	.90	.90	.90	.89
.35	.95	.95	.94	.94	.94	.94	.93	.93	.93	.93	.93	.92	.92	.92	.92	.91	.91	.91	.90	.90
.40	.95	.95	.95	.94	.94	.94	.94	.94	.93	.93	.93	.93	.92	.92	.92	.92	.91	.91	.91	.91
.45	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.93	.93	.93	.93	.92	.92	.92	.92	.91	.91
.50	.96	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.93	.93	.93	.93	.93	.92	.92	.92
.55	.96	.96	.96	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.93	.93	.93	.93	.92	.92
.60	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.93	.93	.93	.93
.65	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94	.93	.93
.70	.97	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94	.94
.75	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.94	.94	.94	.94
.80	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95	.94
.85	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.95	.95	.95	.95	.95	.95	.95
.90	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.96	.95	.95	.95
.95	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96	.96	.96	.95
4.00	.98	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96	.96	.96	.96
.10	.98	.98	.98	.98	.98	.98	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.96	.96	.96	.96
.20	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97
.30	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.97	.97	.97	.97	.97
.40	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.50	.99	.99	.99	.99	.99	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.60	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.70	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.98	.98	.98	.98
.80	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.90	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
5.00	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 2,05 a 5,00

p = 1,10 a 3,00

u \ p	.00	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
0.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.05
.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.06	.06	.06	.06	.07	.07
.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.06	.06	.06	.07	.07	.07	.07	.08	.08	.09	.09	.09
.05	.05	.05	.05	.05	.06	.06	.06	.07	.07	.07	.07	.08	.08	.09	.09	.09	.10	.10	.11	.11	.12
.06	.06	.06	.06	.07	.07	.07	.07	.08	.08	.09	.09	.09	.10	.10	.11	.11	.12	.12	.13	.14	.14
.07	.07	.07	.07	.08	.08	.08	.09	.09	.10	.10	.10	.11	.12	.12	.13	.13	.14	.14	.15	.16	.16
.08	.08	.08	.08	.09	.09	.09	.10	.10	.11	.11	.12	.13	.13	.14	.14	.15	.16	.16	.17	.18	.19
.09	.09	.09	.09	.10	.10	.11	.11	.12	.12	.13	.13	.14	.15	.15	.16	.17	.18	.18	.19	.20	.21
0.10	.09	.10	.10	.11	.11	.12	.12	.13	.14	.14	.15	.16	.16	.17	.18	.19	.20	.21	.22	.22	.23
.11	.10	.11	.11	.12	.12	.13	.13	.14	.15	.15	.16	.17	.17	.18	.19	.20	.21	.22	.23	.24	.24
.12	.11	.12	.12	.13	.13	.14	.14	.15	.16	.16	.17	.18	.19	.19	.20	.21	.22	.23	.24	.25	.26
.13	.12	.13	.13	.14	.14	.15	.15	.16	.17	.17	.18	.19	.20	.20	.21	.22	.23	.24	.25	.26	.27
.14	.13	.13	.14	.15	.15	.16	.16	.17	.18	.18	.19	.20	.21	.21	.22	.23	.24	.25	.26	.27	.28
.15	.14	.14	.15	.15	.16	.17	.17	.18	.19	.19	.20	.21	.22	.22	.23	.24	.25	.26	.27	.28	.29
.16	.15	.15	.16	.16	.17	.18	.18	.19	.20	.20	.21	.22	.23	.24	.24	.25	.26	.27	.28	.29	.30
.17	.16	.16	.17	.17	.18	.18	.19	.20	.21	.21	.22	.23	.24	.25	.25	.26	.27	.28	.29	.30	.31
.18	.17	.17	.18	.18	.19	.19	.20	.21	.22	.22	.23	.24	.25	.26	.26	.27	.28	.29	.30	.31	.32
.19	.18	.18	.18	.19	.20	.20	.21	.22	.23	.23	.24	.25	.26	.27	.27	.28	.29	.30	.31	.32	.33
0.20	.18	.19	.19	.20	.21	.21	.22	.23	.24	.24	.25	.26	.27	.28	.28	.29	.30	.31	.32	.33	.34
.21	.19	.20	.20	.21	.21	.22	.23	.24	.24	.25	.26	.27	.28	.28	.29	.30	.31	.32	.33	.34	.35
.22	.20	.20	.21	.22	.22	.23	.24	.24	.25	.26	.27	.28	.28	.29	.30	.31	.32	.33	.34	.35	.36
.23	.20	.21	.22	.22	.23	.24	.24	.25	.26	.27	.27	.28	.29	.30	.31	.32	.33	.34	.35	.36	.37
.24	.21	.22	.23	.24	.24	.25	.25	.26	.27	.28	.28	.29	.30	.31	.32	.33	.34	.35	.36	.37	.38
.25	.22	.23	.23	.24	.25	.25	.26	.27	.28	.28	.29	.30	.31	.32	.33	.34	.35	.36	.37	.38	.39
.26	.23	.23	.24	.25	.25	.26	.27	.28	.28	.29	.30	.31	.32	.33	.33	.34	.35	.36	.37	.38	.39
.27	.24	.24	.25	.26	.26	.27	.28	.28	.29	.30	.31	.32	.33	.34	.34	.35	.36	.37	.38	.39	.40
.28	.24	.25	.26	.26	.27	.28	.29	.29	.30	.31	.32	.33	.33	.34	.35	.36	.37	.38	.39	.40	.41
.29	.25	.26	.26	.27	.28	.29	.29	.30	.31	.32	.33	.33	.34	.35	.36	.37	.38	.39	.40	.41	.42
0.30	.26	.27	.27	.28	.29	.29	.30	.31	.32	.33	.33	.34	.35	.36	.37	.38	.39	.40	.41	.42	.43
.31	.27	.27	.28	.29	.29	.30	.31	.32	.32	.33	.34	.35	.36	.37	.38	.38	.39	.40	.41	.42	.43
.32	.27	.28	.29	.29	.30	.31	.32	.32	.33	.34	.35	.36	.37	.37	.38	.39	.40	.41	.42	.43	.44
.33	.28	.29	.29	.30	.31	.32	.32	.33	.34	.35	.35	.36	.37	.38	.39	.40	.41	.42	.43	.44	.45
.34	.29	.29	.30	.31	.32	.32	.33	.34	.35	.35	.36	.37	.38	.39	.40	.41	.42	.43	.43	.44	.45
.35	.29	.30	.31	.32	.32	.33	.34	.34	.35	.36	.37	.38	.39	.40	.40	.41	.42	.43	.44	.45	.46
.36	.30	.31	.32	.32	.33	.34	.34	.35	.36	.37	.38	.39	.39	.40	.41	.42	.43	.44	.45	.46	.47
.37	.31	.32	.32	.33	.34	.34	.35	.36	.37	.38	.38	.39	.40	.41	.42	.43	.43	.45	.46	.47	.47
.38	.31	.32	.33	.34	.34	.35	.36	.37	.37	.38	.39	.40	.41	.42	.42	.43	.44	.45	.46	.47	.48
.39	.32	.33	.34	.34	.35	.36	.37	.37	.38	.39	.40	.41	.41	.42	.43	.44	.45	.46	.47	.48	.49
0.40	.33	.34	.34	.35	.36	.36	.37	.38	.39	.40	.40	.41	.42	.43	.44	.45	.46	.47	.48	.49	.49
.41	.34	.34	.35	.36	.36	.37	.38	.39	.39	.40	.41	.42	.43	.44	.44	.45	.46	.47	.48	.49	.50
.42	.34	.35	.36	.36	.37	.38	.39	.39	.40	.41	.42	.43	.43	.44	.45	.46	.47	.48	.49	.50	.51
.43	.35	.36	.36	.37	.38	.38	.39	.40	.41	.41	.42	.43	.44	.45	.46	.46	.47	.48	.49	.50	.51
.44	.35	.36	.37	.38	.38	.39	.40	.41	.41	.42	.43	.44	.45	.45	.46	.47	.48	.49	.50	.51	.52
.45	.36	.37	.38	.38	.39	.40	.40	.41	.42	.43	.44	.44	.45	.46	.47	.48	.49	.50	.50	.51	.52
.46	.37	.37	.38	.39	.40	.40	.41	.42	.43	.43	.44	.45	.46	.47	.47	.48	.49	.50	.51	.52	.53
.47	.37	.38	.39	.40	.40	.41	.42	.42	.43	.44	.45	.46	.46	.47	.48	.49	.50	.51	.52	.52	.53
.48	.38	.39	.39	.40	.41	.41	.42	.43	.44	.45	.45	.46	.47	.48	.49	.50	.50	.51	.52	.53	.54
.49	.39	.39	.40	.41	.41	.42	.43	.44	.45	.45	.46	.47	.48	.48	.49	.50	.51	.52	.53	.54	.55
.50	.39	.40	.41	.41	.42	.43	.44	.44	.45	.46	.47	.47	.48	.49	.50	.51	.52	.52	.53	.54	.55

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,00 a 0,50

p = 0,00 a -0,40

u \ p	.00	-.02	-.04	-.06	-.08	-.10	-.12	-.14	-.16	-.18	-.20	-.22	-.24	-.26	-.28	-.30	-.32	-.34	-.36	-.38	-.40
0.51	.40	.41	.41	.42	.43	.43	.44	.45	.46	.46	.47	.48	.49	.50	.50	.51	.52	.53	.54	.55	.56
.52	.40	.41	.42	.43	.43	.44	.45	.45	.46	.47	.48	.48	.49	.50	.51	.52	.53	.54	.54	.55	.56
.53	.41	.42	.43	.43	.44	.44	.45	.46	.47	.47	.48	.49	.50	.51	.51	.52	.53	.54	.55	.56	.57
.54	.42	.43	.43	.44	.44	.45	.46	.47	.47	.48	.49	.50	.50	.51	.52	.53	.54	.55	.55	.56	.57
.55	.42	.43	.44	.44	.45	.46	.46	.47	.48	.49	.49	.50	.51	.52	.52	.53	.54	.55	.56	.57	.58
.56	.43	.43	.44	.45	.45	.46	.47	.48	.48	.49	.50	.51	.51	.52	.53	.54	.55	.56	.56	.57	.58
.57	.43	.44	.45	.45	.46	.47	.47	.48	.49	.49	.50	.51	.52	.53	.53	.54	.55	.56	.57	.58	.58
.58	.44	.45	.45	.46	.47	.47	.48	.49	.49	.50	.51	.52	.52	.53	.54	.55	.56	.57	.57	.58	.59
.59	.44	.45	.46	.47	.47	.48	.49	.49	.50	.51	.51	.52	.53	.54	.55	.55	.56	.57	.58	.59	.59
0.60	.45	.46	.46	.47	.48	.48	.49	.50	.51	.51	.52	.53	.54	.54	.55	.56	.57	.58	.58	.59	.60
.61	.46	.46	.47	.48	.48	.49	.50	.50	.51	.52	.52	.53	.54	.55	.56	.56	.57	.58	.59	.59	.60
.62	.46	.47	.47	.48	.49	.49	.50	.51	.52	.53	.53	.54	.54	.55	.56	.57	.58	.58	.59	.60	.61
.63	.47	.47	.48	.49	.49	.50	.51	.51	.52	.53	.53	.54	.55	.56	.56	.57	.58	.59	.60	.60	.61
.64	.47	.48	.48	.49	.50	.50	.51	.52	.53	.53	.54	.55	.55	.56	.57	.58	.58	.59	.60	.61	.62
.65	.48	.48	.49	.50	.50	.51	.52	.52	.53	.54	.54	.55	.56	.57	.57	.58	.59	.60	.60	.61	.62
.66	.48	.49	.50	.50	.51	.51	.52	.53	.54	.54	.55	.56	.56	.57	.58	.59	.59	.60	.61	.62	.62
.67	.49	.49	.50	.51	.51	.52	.53	.53	.54	.55	.55	.56	.57	.58	.58	.59	.60	.61	.61	.62	.63
.68	.49	.50	.51	.51	.52	.52	.53	.54	.55	.55	.56	.57	.57	.58	.59	.59	.60	.61	.62	.62	.63
.69	.50	.50	.51	.52	.52	.53	.54	.54	.55	.56	.56	.57	.58	.58	.59	.60	.61	.61	.62	.63	.64
0.70	.50	.51	.52	.52	.53	.53	.54	.55	.55	.56	.57	.57	.58	.59	.60	.60	.61	.62	.63	.63	.64
.71	.51	.51	.52	.53	.53	.54	.55	.55	.56	.57	.57	.58	.59	.59	.60	.61	.61	.62	.63	.64	.64
.72	.51	.52	.52	.53	.54	.54	.55	.56	.56	.57	.58	.58	.59	.60	.60	.61	.62	.63	.63	.64	.65
.73	.52	.52	.53	.54	.54	.55	.55	.56	.57	.57	.58	.59	.59	.60	.61	.62	.62	.63	.64	.64	.65
.74	.52	.53	.53	.54	.55	.55	.56	.57	.57	.58	.59	.59	.60	.61	.61	.62	.63	.63	.64	.65	.65
.75	.53	.53	.54	.54	.55	.56	.56	.57	.58	.58	.59	.60	.60	.61	.62	.62	.63	.64	.64	.65	.66
.76	.53	.54	.54	.55	.56	.56	.57	.57	.58	.59	.59	.60	.61	.61	.62	.63	.63	.64	.65	.66	.66
.77	.54	.54	.55	.55	.56	.57	.57	.58	.59	.59	.60	.60	.61	.62	.62	.63	.64	.65	.65	.66	.67
.78	.54	.55	.55	.56	.56	.57	.58	.58	.59	.60	.60	.61	.62	.62	.63	.64	.64	.65	.66	.66	.67
.79	.55	.55	.56	.56	.57	.58	.58	.59	.59	.60	.61	.61	.62	.63	.63	.64	.65	.65	.66	.67	.67
0.80	.55	.56	.56	.57	.57	.58	.59	.59	.60	.60	.61	.62	.62	.63	.64	.64	.65	.66	.66	.67	.68
.81	.55	.56	.57	.57	.58	.58	.59	.60	.60	.61	.61	.62	.63	.63	.64	.65	.65	.66	.67	.67	.68
.82	.56	.56	.57	.58	.58	.59	.59	.60	.61	.61	.62	.62	.63	.64	.64	.65	.66	.66	.67	.68	.68
.83	.56	.57	.57	.58	.59	.59	.60	.60	.61	.62	.62	.63	.63	.64	.65	.65	.66	.67	.67	.68	.69
.84	.57	.57	.58	.58	.59	.60	.60	.61	.61	.62	.63	.63	.64	.64	.65	.66	.66	.67	.68	.68	.69
.85	.57	.58	.58	.59	.59	.60	.61	.61	.62	.62	.63	.64	.64	.65	.65	.66	.67	.67	.68	.69	.69
.86	.58	.58	.59	.59	.60	.60	.61	.62	.62	.63	.63	.64	.65	.65	.66	.66	.67	.68	.68	.69	.70
.87	.58	.59	.59	.60	.60	.61	.61	.62	.63	.63	.64	.64	.65	.65	.66	.67	.67	.68	.69	.69	.70
.88	.58	.59	.60	.60	.61	.61	.62	.62	.63	.64	.64	.65	.65	.66	.66	.67	.68	.68	.69	.70	.70
.89	.59	.59	.60	.61	.61	.62	.62	.63	.63	.64	.64	.65	.66	.66	.67	.67	.68	.69	.69	.70	.70
0.90	.59	.60	.60	.61	.61	.62	.63	.63	.64	.64	.65	.65	.66	.67	.67	.68	.68	.69	.70	.70	.71
.91	.60	.60	.61	.61	.62	.62	.63	.64	.64	.65	.65	.66	.66	.67	.68	.68	.69	.69	.70	.71	.71
.92	.60	.61	.61	.62	.62	.63	.63	.64	.64	.65	.66	.66	.67	.67	.68	.68	.69	.70	.70	.71	.71
.93	.60	.61	.62	.62	.63	.63	.64	.64	.65	.65	.66	.66	.67	.68	.68	.69	.69	.70	.71	.71	.71
.94	.61	.61	.62	.62	.63	.63	.64	.65	.65	.66	.66	.67	.67	.68	.68	.69	.70	.70	.71	.71	.72
.95	.61	.62	.62	.63	.63	.64	.64	.65	.65	.66	.67	.67	.68	.68	.69	.69	.70	.71	.71	.72	.72
.96	.62	.62	.63	.63	.64	.64	.65	.65	.66	.66	.67	.67	.68	.69	.69	.70	.70	.71	.71	.72	.73
.97	.62	.63	.63	.64	.64	.65	.65	.66	.66	.67	.67	.68	.68	.69	.69	.70	.71	.71	.71	.72	.73
.98	.62	.63	.63	.64	.64	.65	.65	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.73	.73
.99	.63	.63	.64	.64	.65	.65	.66	.66	.67	.67	.68	.68	.69	.70	.70	.71	.71	.72	.72	.73	.73
1.00	.63	.64	.64	.65	.65	.66	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.73	.73	.74

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

$u = 0,51$ a $1,00$

$p = 0,00$ a $-0,40$

u \ p	.00	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
1.01	.64	.64	.65	.65	.66	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74
.02	.64	.64	.65	.65	.66	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.73	.73	.74	.74
.03	.64	.65	.65	.66	.66	.67	.67	.67	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74
.04	.65	.65	.66	.66	.66	.67	.67	.68	.68	.69	.69	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75
.05	.65	.65	.66	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75
.06	.65	.66	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75
.07	.66	.66	.67	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75
.08	.66	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75	.76
.09	.66	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75	.76
1.10	.67	.67	.68	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75	.76	.76
.11	.67	.67	.68	.68	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.73	.74	.74	.75	.75	.76	.76
.12	.67	.68	.68	.69	.69	.70	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75	.76	.76	.77
.13	.68	.68	.69	.69	.69	.70	.70	.71	.71	.72	.72	.73	.73	.73	.74	.74	.75	.75	.76	.76	.77
.14	.68	.68	.69	.69	.70	.70	.71	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75	.76	.76	.77	.77
.15	.68	.69	.69	.70	.70	.70	.71	.71	.72	.72	.73	.73	.74	.74	.74	.75	.75	.76	.76	.77	.77
.16	.69	.69	.69	.70	.70	.71	.71	.72	.72	.72	.73	.73	.74	.74	.75	.75	.76	.76	.77	.77	.77
.17	.69	.69	.70	.70	.71	.71	.71	.72	.72	.73	.73	.74	.74	.75	.75	.75	.76	.76	.77	.77	.78
.18	.69	.70	.70	.70	.71	.71	.72	.72	.73	.73	.73	.74	.74	.75	.75	.76	.76	.77	.77	.77	.78
.19	.70	.70	.70	.71	.71	.72	.72	.72	.73	.73	.74	.74	.75	.75	.75	.76	.76	.77	.77	.78	.78
1.20	.70	.70	.71	.71	.71	.72	.72	.73	.73	.74	.74	.74	.75	.75	.76	.76	.77	.77	.77	.78	.78
.21	.70	.71	.71	.71	.72	.72	.73	.73	.73	.74	.74	.75	.75	.76	.76	.76	.77	.77	.78	.78	.79
.22	.70	.71	.71	.72	.72	.72	.73	.73	.74	.74	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.79
.23	.71	.71	.71	.72	.72	.73	.73	.74	.74	.74	.75	.75	.76	.76	.76	.77	.77	.78	.78	.79	.79
.24	.71	.71	.72	.72	.73	.73	.73	.74	.74	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.79	.79
.25	.71	.72	.72	.72	.73	.73	.74	.74	.74	.75	.75	.76	.76	.77	.77	.77	.78	.78	.79	.79	.79
.26	.72	.72	.72	.73	.73	.74	.74	.74	.75	.75	.75	.76	.76	.77	.77	.78	.78	.78	.79	.79	.80
.27	.72	.72	.73	.73	.73	.74	.74	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.79	.79	.79	.80
.28	.72	.73	.73	.73	.74	.74	.74	.75	.75	.76	.76	.76	.77	.77	.78	.78	.78	.79	.79	.80	.80
.29	.72	.73	.73	.74	.74	.74	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.79	.79	.79	.80	.80
1.30	.73	.73	.73	.74	.74	.75	.75	.75	.76	.76	.76	.77	.77	.78	.78	.78	.79	.79	.80	.80	.80
.31	.73	.73	.74	.74	.74	.75	.75	.76	.76	.76	.77	.77	.77	.78	.78	.79	.79	.79	.80	.80	.81
.32	.73	.74	.74	.74	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.80	.80	.80	.81
.33	.73	.74	.74	.75	.75	.75	.76	.76	.76	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.81	.81
.34	.74	.74	.74	.75	.75	.76	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.80	.80	.80	.81	.81
.35	.74	.74	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.81	.81	.81
.36	.74	.75	.75	.75	.76	.76	.76	.77	.77	.77	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81
.37	.75	.75	.75	.76	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.81	.81	.81	.82
.38	.75	.75	.75	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82
.39	.75	.75	.76	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82
1.40	.75	.76	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82
.41	.76	.76	.76	.77	.77	.77	.77	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.82
.42	.76	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.83
.43	.76	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83
.44	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.79	.80	.80	.81	.81	.81	.81	.82	.82	.83	.83
.45	.76	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83	.83
.46	.77	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.80	.81	.81	.82	.82	.82	.83	.83	.83
.47	.77	.77	.78	.78	.78	.79	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83	.83	.83
.48	.77	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83	.83	.83	.83
.49	.77	.78	.78	.78	.79	.79	.79	.80	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83	.83	.83	.84
1.50	.78	.78	.78	.79	.79	.79	.79	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83	.83	.83	.84	.84

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 1,01 a 1,50

p = 0,00 a -0,40

$u \backslash p$	.00	-.02	-.04	-.06	-.08	-.10	-.12	-.14	-.16	-.18	-.20	-.22	-.24	-.26	-.28	-.30	-.32	-.34	-.36	-.38	-.40
1.51	.78	.78	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.84	.84
.52	.78	.78	.79	.79	.79	.80	.80	.80	.80	.81	.81	.81	.82	.82	.82	.83	.83	.83	.84	.84	.84
.53	.78	.79	.79	.79	.79	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.84	.84	.84
.54	.78	.79	.79	.79	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84
.55	.79	.79	.79	.80	.80	.80	.80	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84
.56	.79	.79	.79	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.84	.84	.84	.84	.85
.57	.79	.79	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.85	.85
.58	.79	.80	.80	.80	.80	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.84	.84	.84	.84	.85	.85
.59	.80	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.85	.85	.85
1.60	.80	.80	.80	.81	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85
.61	.80	.80	.80	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.85	.85	.85	.85
.62	.80	.80	.81	.81	.81	.81	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.86
.63	.80	.81	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.86
.64	.81	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.86
.65	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.87
.66	.81	.81	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.85	.85	.85	.85	.86	.86	.87
.67	.81	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.87
.68	.81	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.87
.69	.81	.82	.82	.82	.83	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.87
1.70	.82	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.87
.71	.82	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.87
.72	.82	.82	.83	.83	.83	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.86	.86	.86	.86	.87	.87
.73	.82	.82	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87
.74	.82	.83	.83	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.87	.87	.87
.75	.73	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87
.76	.83	.83	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.87	.87	.87	.87
.77	.83	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87
.78	.83	.83	.84	.84	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.87	.87	.87	.87	.88
.79	.83	.83	.84	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88
1.80	.83	.84	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.88	.88
.81	.84	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.88	.88	.88
.82	.84	.84	.84	.84	.85	.85	.85	.85	.86	.86	.86	.86	.86	.86	.87	.87	.87	.87	.88	.88	.88
.83	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88
.84	.84	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88
.85	.84	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88
.86	.84	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88
.87	.85	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.87	.88	.88	.88	.88	.89
.88	.85	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89
.89	.85	.85	.85	.85	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.89	.89	.89
1.90	.85	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89	.89
.91	.85	.85	.86	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.89	.89	.89
.92	.85	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.89	.89	.89
.93	.85	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89	.89	.89
.94	.86	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.88	.89	.89	.89
.95	.86	.86	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89	.89	.89	.89	.89
.96	.86	.86	.86	.86	.87	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.89	.89	.89	.89	.89	.89
.97	.86	.86	.86	.87	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.89	.89	.89	.89	.89	.89	.90
.98	.86	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89	.89	.89	.89	.89	.90	.90
.99	.86	.86	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89	.89	.89	.89	.89	.89	.90	.90
2.00	.86	.87	.87	.87	.87	.87	.87	.88	.88	.88	.88	.88	.88	.89	.89	.89	.89	.89	.90	.90	.90

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

$u = 1,51$ a $2,00$

$p = 0,00$ a $-0,40$

$\frac{p}{u}$	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76	.68	.80
0.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.01	.02	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05	.05	.05	.05	.06	.06	.06
.02	.05	.05	.05	.06	.06	.06	.06	.07	.07	.07	.08	.08	.08	.09	.09	.10	.10	.11	.11	.12
.03	.07	.08	.08	.08	.09	.09	.10	.10	.11	.11	.12	.12	.13	.13	.14	.14	.15	.16	.17	.17
.04	.10	.10	.11	.11	.12	.12	.13	.13	.14	.15	.15	.16	.17	.18	.18	.19	.20	.21	.22	.23
.05	.12	.13	.13	.14	.15	.15	.16	.17	.18	.18	.19	.20	.21	.22	.23	.24	.25	.27	.28	.29
.06	.15	.15	.16	.17	.18	.18	.19	.20	.21	.22	.23	.24	.25	.26	.28	.29	.30	.32	.33	.35
.07	.17	.18	.19	.20	.21	.22	.23	.24	.25	.26	.27	.28	.30	.31	.32	.34	.36	.37	.39	.41
.08	.20	.21	.21	.22	.23	.25	.26	.27	.28	.29	.31	.32	.34	.35	.37	.39	.41	.43	.45	.46
.09	.22	.23	.24	.25	.26	.28	.29	.30	.32	.33	.35	.36	.38	.40	.41	.44	.46	.48	.50	.52
0.10	.25	.26	.27	.28	.29	.31	.32	.34	.35	.37	.39	.40	.42	.44	.46	.48	.51	.53	.56	.58
.11	.26	.27	.28	.29	.30	.32	.33	.35	.36	.38	.40	.41	.43	.45	.47	.49	.52	.54	.57	.59
.12	.27	.28	.29	.30	.31	.33	.34	.36	.37	.39	.41	.42	.44	.46	.48	.50	.53	.55	.57	.60
.13	.28	.29	.30	.31	.33	.34	.36	.37	.38	.40	.42	.44	.45	.47	.49	.51	.54	.56	.58	.60
.14	.29	.30	.31	.33	.34	.35	.37	.38	.40	.41	.43	.45	.46	.48	.50	.52	.54	.57	.59	.61
.15	.30	.31	.32	.34	.35	.36	.38	.39	.41	.42	.44	.46	.47	.49	.51	.53	.55	.58	.60	.62
.16	.31	.32	.34	.35	.36	.37	.39	.40	.42	.43	.45	.47	.48	.50	.52	.54	.56	.59	.61	.63
.17	.32	.34	.35	.36	.37	.39	.40	.41	.43	.44	.46	.48	.49	.51	.53	.55	.57	.59	.62	.64
.18	.33	.35	.36	.37	.38	.40	.41	.43	.44	.45	.47	.49	.50	.52	.54	.56	.58	.60	.62	.65
.19	.35	.36	.37	.38	.39	.41	.42	.44	.45	.46	.48	.50	.52	.53	.55	.57	.59	.61	.63	.65
0.20	.36	.37	.38	.39	.40	.42	.43	.45	.46	.48	.49	.51	.53	.54	.56	.58	.60	.62	.64	.66
.21	.36	.38	.39	.40	.41	.43	.44	.46	.47	.48	.50	.52	.53	.55	.57	.59	.61	.63	.65	.67
.22	.37	.38	.40	.41	.42	.43	.45	.46	.48	.49	.51	.52	.54	.56	.57	.59	.61	.63	.65	.67
.23	.38	.39	.40	.42	.43	.44	.46	.47	.48	.50	.51	.53	.55	.56	.58	.60	.62	.64	.66	.68
.24	.39	.40	.41	.42	.44	.45	.46	.48	.49	.51	.52	.54	.55	.57	.59	.60	.62	.64	.66	.68
.25	.40	.41	.42	.43	.44	.46	.47	.49	.50	.51	.53	.54	.56	.58	.59	.61	.63	.65	.67	.69
.26	.41	.42	.43	.44	.45	.47	.48	.49	.51	.52	.54	.55	.57	.58	.60	.62	.64	.65	.67	.69
.27	.41	.43	.44	.45	.46	.47	.49	.50	.51	.53	.54	.56	.57	.59	.61	.62	.64	.66	.68	.70
.28	.42	.43	.45	.46	.47	.48	.49	.51	.52	.53	.55	.57	.58	.60	.61	.63	.65	.67	.68	.70
.29	.43	.44	.45	.47	.48	.49	.50	.52	.53	.54	.56	.57	.59	.60	.62	.64	.65	.67	.69	.71
0.30	.44	.45	.46	.47	.48	.50	.51	.52	.54	.55	.56	.58	.59	.61	.62	.64	.66	.68	.69	.71
.31	.45	.46	.47	.49	.50	.51	.52	.54	.55	.56	.58	.59	.60	.62	.63	.65	.67	.69	.70	.72
.32	.46	.47	.48	.49	.50	.52	.53	.54	.55	.57	.58	.60	.61	.62	.64	.66	.67	.69	.71	.72
.33	.47	.48	.49	.50	.51	.52	.53	.55	.56	.57	.59	.60	.62	.63	.64	.66	.68	.69	.71	.72
.34	.47	.48	.49	.51	.52	.53	.54	.55	.57	.58	.59	.61	.62	.63	.65	.67	.68	.70	.71	.73
.35	.47	.48	.49	.51	.52	.53	.54	.55	.57	.58	.59	.61	.62	.63	.65	.67	.68	.70	.71	.73
.36	.48	.49	.50	.52	.53	.54	.55	.56	.57	.58	.60	.61	.63	.64	.65	.67	.69	.70	.72	.73
.37	.49	.50	.51	.52	.53	.54	.55	.56	.58	.59	.60	.62	.63	.64	.66	.67	.69	.71	.72	.74
.38	.49	.50	.51	.52	.53	.55	.56	.57	.58	.60	.61	.62	.64	.65	.66	.68	.69	.71	.73	.74
.39	.50	.51	.52	.53	.54	.55	.57	.58	.59	.60	.61	.63	.64	.65	.67	.68	.70	.71	.73	.75
0.40	.51	.52	.53	.54	.55	.56	.57	.58	.59	.61	.62	.63	.65	.66	.67	.69	.70	.72	.73	.75
.41	.51	.53	.53	.54	.55	.56	.58	.59	.60	.61	.62	.64	.65	.66	.68	.69	.71	.72	.74	.75
.42	.52	.53	.54	.55	.56	.57	.58	.59	.60	.62	.63	.64	.65	.67	.68	.69	.71	.73	.74	.76
.43	.52	.53	.54	.55	.56	.57	.59	.60	.61	.62	.63	.65	.66	.67	.68	.70	.71	.73	.74	.76
.44	.53	.54	.55	.56	.57	.58	.59	.60	.61	.62	.64	.65	.66	.68	.69	.70	.72	.73	.75	.76
.45	.53	.54	.55	.56	.57	.58	.60	.61	.62	.63	.64	.65	.66	.68	.69	.71	.72	.74	.75	.76
.46	.54	.55	.56	.57	.58	.59	.60	.61	.62	.63	.65	.66	.67	.68	.70	.71	.72	.74	.75	.77
.47	.54	.55	.56	.57	.58	.59	.61	.62	.63	.64	.65	.66	.67	.69	.70	.71	.73	.74	.76	.77
.48	.55	.56	.57	.58	.59	.60	.61	.62	.63	.64	.65	.67	.68	.69	.70	.72	.73	.74	.76	.77
.49	.56	.57	.57	.58	.59	.60	.62	.63	.64	.65	.66	.67	.68	.69	.71	.72	.73	.75	.76	.78
0.50	.56	.57	.58	.59	.60	.61	.62	.63	.64	.65	.66	.68	.69	.70	.71	.72	.74	.75	.76	.78

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

$u = 0,00$ a $0,50$

$p = -0,42$ a $-0,80$

$\frac{p}{u}$	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80
1.01	.74	.75	.76	.76	.77	.77	.78	.79	.79	.80	.80	.81	.82	.82	.83	.84	.84	.85	.86	.87
.02	.75	.75	.76	.76	.77	.78	.78	.79	.79	.80	.81	.81	.82	.82	.83	.84	.85	.85	.86	.87
.03	.75	.76	.76	.77	.77	.78	.78	.79	.80	.80	.81	.82	.82	.83	.83	.84	.85	.85	.86	.87
.04	.75	.76	.76	.77	.77	.78	.79	.79	.80	.80	.81	.82	.82	.83	.83	.84	.85	.86	.86	.87
.05	.75	.76	.77	.77	.78	.78	.79	.79	.80	.81	.81	.82	.82	.83	.84	.84	.85	.86	.87	.87
.06	.76	.76	.77	.77	.78	.78	.79	.80	.80	.81	.81	.82	.83	.83	.84	.84	.85	.86	.87	.87
.07	.76	.76	.77	.78	.78	.79	.79	.80	.80	.81	.82	.82	.83	.83	.84	.85	.85	.86	.87	.87
.08	.76	.77	.77	.78	.78	.79	.79	.80	.81	.81	.82	.82	.83	.83	.84	.85	.85	.86	.87	.88
.09	.76	.77	.78	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.84	.84	.85	.86	.86	.87	.88
1.10	.77	.77	.78	.78	.79	.79	.80	.80	.81	.81	.82	.83	.83	.84	.84	.85	.86	.86	.87	.88
.11	.77	.77	.78	.78	.79	.79	.80	.81	.81	.82	.82	.83	.83	.84	.84	.85	.86	.87	.87	.88
.12	.77	.78	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.85	.85	.86	.87	.87	.88
.13	.77	.78	.78	.79	.79	.80	.80	.81	.81	.82	.83	.83	.84	.84	.85	.85	.86	.87	.87	.88
.14	.78	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.85	.86	.86	.87	.88	.88
.15	.78	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.85	.85	.86	.86	.87	.88	.88
.16	.78	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.85	.85	.86	.86	.87	.88	.88
.17	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.87	.87	.88	.89
.18	.78	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.87	.87	.88	.89
.19	.79	.79	.80	.80	.80	.81	.81	.82	.82	.83	.83	.84	.85	.85	.86	.86	.87	.87	.88	.89
1.20	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.86	.87	.88	.88	.89
.21	.79	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.86	.87	.88	.88	.89
.22	.79	.80	.80	.81	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.86	.87	.88	.88	.89
.23	.79	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.84	.85	.86	.86	.87	.87	.88	.88	.89
.24	.80	.80	.81	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.86	.87	.87	.88	.89	.89
.25	.80	.80	.81	.81	.82	.82	.82	.83	.83	.84	.84	.85	.85	.86	.86	.87	.87	.88	.89	.89
.26	.80	.80	.81	.81	.82	.82	.83	.83	.84	.84	.84	.85	.85	.86	.86	.87	.88	.88	.89	.89
.27	.80	.81	.81	.81	.82	.82	.83	.83	.84	.84	.85	.85	.86	.86	.86	.87	.88	.88	.89	.89
.28	.80	.81	.81	.82	.82	.83	.83	.83	.84	.84	.85	.85	.86	.86	.87	.87	.88	.88	.89	.89
.29	.81	.81	.81	.82	.82	.83	.83	.84	.84	.84	.85	.85	.86	.86	.87	.87	.88	.88	.89	.89
1.30	.81	.81	.82	.82	.82	.83	.83	.84	.84	.85	.85	.85	.86	.86	.87	.87	.88	.88	.89	.90
.31	.81	.81	.82	.82	.83	.83	.83	.84	.84	.85	.85	.86	.86	.86	.87	.87	.88	.89	.89	.90
.32	.81	.82	.82	.82	.83	.83	.84	.84	.84	.85	.85	.86	.86	.87	.87	.88	.88	.89	.89	.90
.33	.81	.82	.82	.83	.83	.83	.84	.84	.84	.85	.85	.86	.86	.87	.87	.88	.88	.89	.89	.90
.34	.81	.82	.82	.83	.83	.83	.84	.84	.85	.85	.86	.86	.86	.87	.87	.88	.88	.89	.89	.90
.35	.82	.82	.82	.83	.83	.84	.84	.84	.85	.85	.86	.86	.87	.87	.87	.88	.88	.89	.89	.90
.36	.82	.82	.83	.83	.83	.84	.84	.85	.85	.85	.86	.86	.87	.87	.88	.88	.89	.89	.90	.90
.37	.82	.82	.83	.83	.84	.84	.84	.85	.85	.86	.86	.86	.87	.87	.88	.88	.89	.89	.90	.90
.38	.82	.83	.83	.83	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.88	.88	.89	.89	.90	.90
.39	.82	.83	.83	.83	.84	.84	.85	.85	.85	.86	.86	.87	.87	.87	.88	.88	.89	.89	.90	.90
1.40	.83	.83	.83	.84	.84	.84	.85	.85	.86	.86	.86	.87	.87	.88	.88	.88	.89	.89	.90	.90
.41	.83	.83	.83	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.89	.89	.90	.90
.42	.83	.83	.84	.84	.84	.85	.85	.85	.86	.86	.87	.87	.87	.88	.88	.89	.89	.90	.90	.90
.43	.83	.83	.84	.84	.84	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.89	.89	.90	.90	.91
.44	.83	.84	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.88	.88	.88	.89	.89	.90	.90	.91
.45	.83	.84	.84	.84	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.90	.90	.91
.46	.84	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.89	.89	.89	.90	.90	.91
.47	.84	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.88	.88	.88	.89	.89	.90	.90	.90	.91
.48	.84	.84	.85	.85	.85	.85	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.90	.90	.90	.91
.49	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.90	.90	.91	.91
1.50	.84	.84	.85	.85	.85	.86	.86	.86	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.91	.91

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

$u = 1,01$ a $1,50$

$p = -0,42$ a $-0,80$

u \ p	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80
.51	.57	.58	.58	.59	.60	.61	.62	.63	.65	.66	.67	.68	.69	.70	.71	.73	.74	.75	.77	.78
.52	.57	.58	.59	.60	.61	.62	.63	.64	.65	.66	.67	.68	.69	.71	.72	.73	.74	.76	.77	.78
.53	.57	.58	.59	.60	.61	.62	.63	.64	.65	.66	.67	.69	.70	.71	.72	.73	.75	.76	.77	.79
.54	.58	.59	.60	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	.71	.72	.74	.75	.76	.77	.79
.55	.58	.59	.60	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	.72	.73	.74	.75	.76	.78	.79
.56	.59	.60	.61	.62	.63	.64	.65	.65	.66	.67	.69	.70	.71	.72	.73	.74	.76	.77	.78	.79
.57	.59	.60	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.76	.77	.78	.79
.58	.60	.61	.62	.62	.63	.64	.65	.66	.67	.68	.69	.70	.71	.72	.74	.75	.76	.77	.78	.80
.59	.60	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.79	.80
0.60	.61	.62	.62	.63	.64	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.77	.78	.79	.80
.61	.61	.62	.63	.64	.65	.66	.67	.67	.68	.69	.70	.71	.72	.73	.74	.76	.77	.78	.79	.80
.62	.62	.62	.63	.64	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.78	.79	.81
.63	.62	.63	.64	.64	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.78	.80	.81
.64	.62	.63	.64	.65	.66	.67	.68	.68	.69	.70	.71	.72	.73	.74	.75	.76	.78	.79	.80	.81
.65	.63	.64	.64	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81
.66	.63	.64	.65	.66	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81
.67	.64	.64	.65	.66	.67	.68	.69	.70	.70	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	.82
.68	.64	.65	.66	.66	.67	.68	.69	.70	.71	.72	.73	.73	.74	.75	.76	.77	.78	.80	.81	.82
.69	.64	.65	.66	.67	.68	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81	.82
0.70	.65	.66	.66	.67	.68	.69	.70	.71	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81	.82
.71	.65	.66	.67	.67	.68	.69	.70	.71	.72	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81	.82
.72	.66	.66	.67	.68	.69	.69	.70	.71	.72	.73	.74	.75	.76	.76	.77	.78	.79	.80	.81	.82
.73	.66	.67	.67	.68	.69	.70	.71	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81	.82	.83
.74	.66	.67	.68	.68	.69	.70	.71	.72	.72	.73	.74	.75	.76	.77	.78	.79	.80	.81	.82	.83
.75	.67	.67	.68	.69	.70	.70	.71	.72	.73	.74	.74	.75	.76	.77	.78	.79	.80	.81	.82	.83
.76	.67	.68	.68	.69	.70	.71	.71	.72	.73	.74	.75	.76	.76	.77	.78	.79	.80	.81	.82	.83
.77	.67	.68	.69	.69	.70	.71	.72	.73	.73	.74	.75	.76	.77	.78	.79	.79	.80	.81	.82	.83
.78	.68	.68	.69	.70	.71	.71	.72	.73	.74	.74	.75	.76	.77	.78	.79	.80	.81	.82	.83	.84
.79	.68	.69	.69	.70	.71	.72	.72	.73	.74	.75	.75	.76	.77	.78	.79	.80	.81	.82	.83	.84
0.80	.68	.69	.70	.70	.71	.72	.73	.73	.74	.75	.76	.77	.77	.78	.79	.80	.81	.82	.83	.84
.81	.69	.69	.70	.71	.71	.72	.73	.74	.74	.75	.76	.77	.78	.79	.79	.80	.81	.82	.83	.84
.82	.69	.70	.70	.71	.72	.73	.73	.74	.75	.75	.76	.77	.78	.79	.80	.80	.81	.82	.83	.84
.83	.69	.70	.71	.71	.72	.73	.73	.74	.75	.76	.76	.77	.78	.79	.80	.81	.82	.82	.83	.84
.84	.70	.70	.71	.72	.72	.73	.74	.74	.75	.76	.77	.78	.78	.79	.80	.81	.82	.83	.84	.84
.85	.70	.71	.71	.72	.73	.73	.74	.75	.75	.76	.77	.78	.79	.79	.80	.81	.82	.83	.84	.85
.86	.70	.71	.72	.72	.73	.74	.74	.75	.76	.76	.77	.78	.79	.79	.80	.81	.82	.83	.84	.85
.87	.71	.71	.72	.73	.73	.74	.75	.75	.76	.77	.77	.78	.79	.80	.80	.81	.82	.83	.84	.85
.88	.71	.72	.72	.73	.73	.74	.75	.76	.76	.77	.78	.78	.79	.80	.81	.81	.82	.83	.84	.85
.89	.71	.72	.72	.73	.74	.74	.75	.76	.76	.77	.78	.79	.79	.80	.81	.82	.83	.83	.84	.85
0.90	.71	.72	.73	.73	.74	.75	.75	.76	.77	.77	.78	.79	.80	.80	.81	.82	.83	.84	.84	.85
.91	.72	.72	.73	.73	.74	.75	.76	.76	.77	.78	.78	.79	.80	.81	.81	.82	.83	.84	.85	.85
.92	.72	.73	.73	.74	.75	.75	.76	.77	.77	.78	.79	.79	.80	.81	.81	.82	.83	.84	.85	.86
.93	.72	.73	.74	.74	.75	.75	.76	.77	.77	.78	.79	.79	.80	.81	.82	.82	.83	.84	.85	.86
.94	.73	.73	.74	.74	.75	.76	.76	.77	.78	.78	.79	.80	.80	.81	.82	.83	.83	.84	.85	.86
.95	.73	.74	.74	.75	.75	.76	.77	.77	.78	.79	.79	.80	.81	.81	.82	.83	.84	.84	.85	.86
.96	.73	.74	.74	.75	.76	.76	.77	.77	.78	.79	.79	.80	.81	.81	.82	.83	.84	.85	.85	.86
.97	.73	.74	.75	.75	.76	.76	.77	.78	.78	.79	.80	.80	.81	.82	.82	.83	.84	.85	.85	.86
.98	.74	.74	.75	.75	.76	.77	.77	.78	.79	.79	.80	.80	.81	.82	.82	.83	.84	.85	.86	.86
.99	.74	.75	.75	.76	.76	.77	.78	.78	.79	.79	.80	.81	.81	.82	.83	.83	.84	.85	.86	.86
1.00	.74	.75	.75	.76	.77	.77	.78	.78	.79	.80	.80	.81	.82	.82	.83	.84	.84	.85	.86	.87

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

u = 0,51 a 1,00

p = -0,42 a -0,80

$\frac{u}{p}$	-42	-44	-46	-48	-50	-52	-54	-56	-58	-60	-62	-64	-66	-68	-70	-72	-74	-76	-78	-80
1.51	.84	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.91	.91
.52	.84	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.90	.90	.90	.91	.91
.53	.85	.85	.85	.86	.86	.86	.86	.87	.87	.87	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91
.54	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.91	.91	.91
.55	.85	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.91	.91	.91
.56	.85	.85	.86	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.91	.91	.91
.57	.85	.85	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.89	.90	.90	.91	.91	.91
.58	.85	.86	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.92
.59	.85	.86	.86	.86	.87	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.92
1.60	.86	.86	.86	.86	.87	.87	.87	.88	.88	.88	.88	.89	.89	.90	.90	.90	.91	.91	.91	.92
.61	.86	.86	.86	.86	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92
.62	.86	.86	.86	.87	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92
.63	.86	.86	.86	.87	.87	.87	.88	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92
.64	.86	.86	.87	.87	.87	.87	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92
.65	.86	.86	.87	.87	.87	.88	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92
.66	.86	.87	.87	.87	.87	.88	.88	.88	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92
.67	.86	.87	.87	.87	.87	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92
.68	.86	.87	.87	.87	.88	.88	.88	.88	.89	.89	.89	.90	.90	.90	.90	.91	.91	.92	.92	.92
.69	.87	.87	.87	.87	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92	.92
1.70	.87	.87	.87	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92	.92
.71	.87	.87	.87	.88	.88	.88	.88	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92
.72	.87	.87	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92
.73	.87	.87	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92
.74	.87	.87	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92	.92
.75	.87	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92	.93
.76	.88	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.93
.77	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92	.92	.93
.78	.88	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92	.92	.93
.79	.88	.88	.88	.89	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.92	.92	.92	.92	.93
1.80	.88	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.93	.93
.81	.88	.88	.89	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.93	.93
.82	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.93	.93
.83	.88	.88	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93
.84	.88	.89	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93
.85	.89	.89	.89	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.93	.93	.93
.86	.89	.89	.89	.89	.89	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.93	.93	.93
.87	.89	.89	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93
.88	.89	.89	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93
.89	.89	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93
1.90	.89	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93	.93
.91	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93	.93
.92	.89	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93	.93
.93	.89	.90	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93	.93
.94	.89	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.93	.93	.93	.93
.95	.90	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.93	.93	.93	.93
.96	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.93	.93	.93	.94
.97	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.92	.93	.93	.93	.94
.98	.90	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.92	.93	.93	.93	.94
.99	.90	.90	.90	.90	.91	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.92	.93	.93	.94	.94
2.00	.90	.90	.90	.90	.91	.91	.91	.91	.91	.92	.92	.92	.92	.92	.93	.93	.93	.93	.94	.94

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

 $u = 1,51 \text{ a } 2,00$ $p = -0,42 \text{ a } -0,80$

u \ p	.82	.84	.86	.88	.90	.92	.94	.95
0.00	.06	.06	.07	.07	.07	.08	.08	.08
.02	.12	.13	.13	.14	.15	.16	.16	.17
.03	.18	.19	.20	.21	.22	.23	.25	.25
.04	.24	.26	.27	.28	.30	.31	.33	.34
.05	.31	.32	.34	.35	.37	.39	.41	.42
.06	.37	.38	.40	.42	.44	.47	.50	.51
.07	.43	.45	.47	.49	.52	.55	.58	.59
.08	.49	.51	.54	.57	.59	.63	.66	.68
.09	.55	.58	.60	.64	.67	.71	.74	.76
0.10	.61	.64	.67	.71	.74	.78	.83	.85
.11	.62	.65	.68	.71	.75	.79	.83	.85
.12	.63	.65	.68	.72	.75	.79	.83	.85
.13	.63	.66	.69	.72	.76	.80	.84	.86
.14	.64	.67	.70	.73	.76	.80	.84	.86
.15	.65	.68	.70	.74	.77	.81	.84	.86
.16	.66	.68	.71	.74	.77	.81	.85	.87
.17	.66	.69	.72	.75	.78	.81	.85	.87
.18	.67	.70	.72	.75	.78	.82	.85	.87
.19	.68	.70	.73	.76	.79	.82	.86	.87
0.20	.69	.71	.74	.76	.79	.83	.86	.88
.21	.69	.71	.74	.77	.80	.83	.86	.88
.22	.70	.72	.74	.77	.80	.83	.86	.88
.23	.70	.72	.75	.78	.80	.83	.87	.88
.24	.70	.73	.75	.78	.80	.84	.87	.88
.25	.71	.73	.76	.78	.81	.84	.87	.89
.26	.71	.74	.76	.79	.81	.84	.87	.89
.27	.72	.74	.76	.79	.81	.84	.87	.89
.28	.72	.75	.77	.79	.82	.85	.88	.89
.29	.72	.75	.77	.80	.82	.85	.88	.89
0.30	.73	.75	.78	.80	.82	.85	.88	.89
.31	.74	.76	.78	.80	.83	.85	.88	.90
.32	.74	.76	.78	.80	.83	.86	.88	.90
.33	.74	.76	.78	.81	.83	.86	.88	.90
.34	.75	.77	.79	.81	.83	.86	.89	.90
.35	.75	.77	.79	.81	.83	.86	.89	.90
.36	.75	.77	.79	.81	.84	.86	.89	.90
.37	.76	.78	.80	.82	.84	.86	.89	.90
.38	.76	.78	.80	.82	.84	.87	.89	.90
.39	.76	.78	.80	.82	.84	.87	.89	.91
0.40	.77	.78	.80	.82	.84	.87	.89	.91
.41	.77	.79	.81	.83	.85	.87	.90	.91
.42	.77	.79	.81	.83	.85	.87	.90	.91
.43	.78	.79	.81	.83	.85	.87	.90	.91
.44	.78	.79	.81	.83	.85	.88	.90	.91
.45	.78	.80	.82	.83	.85	.88	.90	.91
.46	.78	.80	.82	.84	.85	.88	.90	.91
.47	.79	.80	.82	.84	.86	.88	.90	.91
.48	.79	.80	.82	.84	.86	.88	.90	.91
.49	.79	.81	.82	.84	.86	.88	.90	.91
0.50	.79	.81	.83	.84	.86	.88	.90	.92

u = 0,00 a 0,50 p = -0,82 a -0,95

u \ p	.82	.84	.86	.88	.90	.92	.94	.95
0.52	.80	.81	.83	.85	.86	.89	.91	.92
.54	.80	.82	.83	.85	.87	.89	.91	.92
.56	.81	.82	.84	.85	.87	.89	.91	.92
.58	.81	.82	.84	.86	.87	.89	.91	.92
0.60	.82	.83	.84	.86	.87	.89	.91	.92
.62	.82	.83	.85	.86	.88	.90	.91	.92
.64	.82	.84	.85	.86	.88	.90	.92	.92
.66	.83	.84	.85	.87	.88	.90	.92	.93
.68	.83	.84	.86	.87	.88	.90	.92	.93
0.70	.83	.85	.86	.87	.89	.90	.92	.93
.72	.84	.85	.86	.87	.89	.91	.92	.93
.74	.84	.85	.86	.88	.89	.91	.92	.93
.76	.84	.85	.87	.88	.89	.91	.92	.93
.78	.85	.85	.87	.88	.89	.91	.93	.93
0.80	.85	.86	.87	.88	.90	.91	.93	.93
.82	.85	.86	.87	.89	.90	.91	.93	.93
.84	.85	.86	.88	.89	.90	.91	.93	.94
.86	.86	.87	.88	.89	.90	.92	.93	.94
.88	.86	.87	.88	.89	.90	.92	.93	.94
0.90	.86	.87	.88	.89	.90	.92	.93	.94
.92	.86	.87	.88	.90	.91	.92	.93	.94
.94	.87	.88	.89	.90	.91	.92	.93	.94
.96	.87	.88	.89	.90	.91	.92	.93	.94
.98	.87	.88	.89	.90	.91	.92	.94	.94
1.00	.87	.88	.89	.90	.91	.92	.94	.94
.05	.88	.89	.90	.91	.91	.93	.94	.94
.10	.88	.89	.90	.91	.92	.93	.94	.95
.15	.89	.90	.90	.91	.92	.93	.94	.95
.20	.89	.90	.91	.92	.92	.93	.94	.95
1.25	.89	.90	.91	.92	.93	.94	.95	.95
.30	.90	.91	.91	.92	.93	.94	.95	.95
.35	.91	.91	.92	.92	.93	.94	.95	.95
.40	.91	.91	.92	.93	.93	.94	.95	.96
.45	.91	.92	.92	.93	.94	.94	.95	.96
1.50	.92	.92	.93	.93	.94	.95	.95	.96
.55	.92	.92	.93	.93	.94	.95	.95	.96
.60	.92	.93	.93	.94	.94	.95	.96	.96
.65	.92	.93	.93	.94	.94	.95	.96	.96
.70	.93	.93	.94	.94	.95	.95	.96	.96
1.75	.93	.93	.94	.94	.95	.95	.96	.96
.80	.93	.94	.94	.94	.95	.95	.96	.96
.85	.93	.94	.94	.95	.95	.96	.96	.96
.90	.94	.94	.94	.95	.95	.96	.96	.97
.95	.94	.94	.95	.95	.95	.96	.96	.97
2.00	.94	.94	.95	.95	.95	.96	.96	.97

u = 0,52 a 2,00 p = -0,82 a -0,95

<div><div>u</div><div>P</div></div>	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	
2.05	.87	.87	.88	.88	.89	.89	.89	.90	.90	.91	.91	.92	.92	.92	.93	.93	.94	.95	.96	.97	
.10	.88	.88	.88	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92	.92	.93	.93	.94	.94	.95	.96	.97
.15	.88	.89	.89	.89	.90	.90	.90	.91	.91	.91	.92	.92	.92	.93	.93	.94	.94	.94	.95	.96	.97
.20	.89	.89	.90	.90	.90	.91	.91	.91	.91	.92	.92	.93	.93	.93	.94	.94	.94	.95	.95	.96	.97
.25	.89	.90	.90	.90	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93	.94	.94	.94	.95	.95	.96	.97
.30	.90	.90	.91	.91	.91	.91	.92	.92	.92	.93	.93	.93	.93	.94	.94	.94	.94	.95	.95	.96	.97
.35	.90	.91	.91	.91	.91	.92	.92	.92	.93	.93	.93	.93	.94	.94	.94	.94	.95	.95	.96	.96	.97
.40	.91	.91	.91	.92	.92	.92	.92	.93	.93	.93	.93	.94	.94	.94	.94	.95	.95	.95	.96	.96	.97
.45	.91	.92	.92	.92	.92	.92	.93	.93	.93	.93	.93	.94	.94	.94	.94	.95	.95	.95	.96	.96	.97
.50	.92	.92	.92	.92	.93	.93	.93	.93	.93	.94	.94	.94	.94	.95	.95	.95	.95	.96	.96	.97	.97
.55	.92	.92	.93	.93	.93	.93	.93	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.96	.96	.97	.97
.60	.93	.93	.93	.93	.93	.93	.94	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.96	.96	.97	.98
.65	.93	.93	.93	.93	.94	.94	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.95	.96	.96	.97	.98
.70	.93	.93	.94	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.97	.97	.98
.75	.94	.94	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.97	.97	.98
.80	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.96	.97	.97	.98
.85	.94	.94	.94	.95	.95	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.96	.96	.97	.97	.98
.90	.94	.95	.95	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.98
.95	.95	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.98
3.00	.95	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.97	.98
.05	.95	.95	.95	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.97	.98
.10	.95	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.97	.97	.98
.15	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98
.20	.96	.96	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98
.25	.96	.96	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98
.30	.96	.96	.96	.96	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98
.35	.96	.96	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98	.98
.40	.96	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98	.98
.45	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98	.98	.98
.50	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98	.98	.98	.98	.98	.98
.55	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98	.98	.98	.98	.98	.98	.98	.98
.60	.97	.97	.97	.97	.97	.97	.97	.97	.97	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.65	.97	.97	.97	.97	.97	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.70	.97	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.75	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.80	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.85	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98
.90	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.99
.95	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.99
4.00	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.99
.10	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.99
.20	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.98	.99
.30	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.40	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.50	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.60	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.70	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.80	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
.90	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
5.00	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99

TABLAS DE LA FUNCION GAMMA INCOMPLETA (SIMPLIFICADAS PARA CLIMATOLOGIA)

$u = 2,05 \text{ a } 5,00$

$p = 0,00 \text{ a } -0,95$